

STATE OF CONNECTICUT
CONNECTICUT SITING COUNCIL

IN RE: :
: :
APPLICATION OF CELLCO PARTNERSHIP : DOCKET NO. 502
D/B/A VERIZON WIRELESS FOR A :
CERTIFICATE OF ENVIRONMENTAL :
COMPATIBILITY AND PUBLIC NEED FOR :
THE CONSTRUCTION, MAINTENANCE :
AND OPERATION OF A WIRELESS :
TELECOMMUNICATIONS FACILITY AT :
118 NEWTON ROAD, WOODBRIDGE, :
CONNECTICUT : JUNE 30, 2021

**RESPONSES OF CELLCO PARTNERSHIP D/B/A VERIZON WIRELESS
TO CONNECTICUT SITING COUNCIL PRE-HEARING INTERROGATORIES**

On June 9, 2021, the Connecticut Siting Council (“Council”) issued Pre-Hearing Interrogatories to Cellco Partnership d/b/a Verizon Wireless (“Cellco”), relating to Docket No. 502. Below are Cellco’s responses.

General

Question No. 1

Referencing Application Attachment 4 of the letters sent to abutting property owners, how many certified mail receipts were received? If any receipts were not returned, which owners did not receive their notice? Were any additional attempts made to contact those property owners?

Response

Cellco received return receipts from 12 of the 14 abutting property owners. Two letters (Elizabeth Craft at 110 Newton Road and Xiang Li at 15 Penny Lane) were returned by the Post Office marked “Unclaimed”. The notice letters were resent to Elizabeth Craft and Xiang Li on

June 10, 2021 by First Class mail. On June 21, 2021, Counsel for Cellco received an email from Elizabeth Craft confirming her receipt of the notice letter. (See Exhibit 1).

Question No. 2

Referring to Application p. 21, approximately how many residents and town officials attended the January 30, 2021, virtual public information meeting? What concerns were raised and how were these concerns addressed?

Response

The Virtual Public Information Meeting (VPIM) was attended by approximately 70 people via Zoom, including Cellco's development team, members of the general public and Woodbridge municipal officials. Individuals who spoke expressed concerns for the placement of a tower in a residential area, health effects related to radio frequency ("RF") emissions and visual impacts of the tower. During the VPIM and for weeks following the VPIM, residents and public officials ask Cellco to consider alternative parcels in Woodbridge, Bethel and Seymour, Connecticut. All of these parcels are listed in the Site Search Summary, in Attachment 8 of the Application.

Tower in a Residential Area

As described in the application, a vast majority of all land in the Town of Woodbridge is zoned Residence A, a low-density residential zone with a minimum gross lot size requirement of 65,000 square feet. The only commercial, business or industrial zoned property in Town is located in the southeast corner of Woodbridge near Route 15 and the New Haven – Woodbridge town line. With the exception of sites located in the adjacent towns of Bethel and Seymour, all of the alternative tower locations presented by municipal officials or abutting landowners are also located in residential areas. All of the existing Cellco wireless service currently provided in

northern portions of the Town of Woodbridge is provided by tower sites outside of Woodbridge, in the adjacent towns. The most efficient and sensible way to satisfy Cellco's current need for improved service in Woodbridge is to build a new tower site in Woodbridge.

Concerns for Health Effects Associated with RF Emissions

During the VPIM, Cellco explained that issues related to RF emissions and concerns for health effects is under the exclusive jurisdiction of the Federal Communications Commission (FCC). Attendees were told that the Council cannot deny an application for a wireless facility based on concerns for health effects from RF emissions as long as Cellco can demonstrate that the proposed facility will operate within the FCC safety limits. Cellco provided, in its Technical Report and again in the Application, evidence that the proposed facility will comply with the FCC standards. Notwithstanding these legal restrictions, Cellco invited Eric Swanson, PhD., a Physics Professor from the University of Pittsburgh to discuss RF emissions. A copy of Dr. Swanson's presentation materials and CV are included in Exhibit 2.

Visual Effects

During the VPIM, Mike Libertine walked through APT's preliminary visual assessment of a 140' tower at the project site. The predicted year-round visibility was limited to an approximately 18-acre area immediately around the subject Property. As described in the Application, after hearing from abutters and other residents in the area and from local officials, Cellco's RF Engineers performed a drive test at the proposed tower site to determine if the tower height could be reduced, thereby reducing the visual impact of the tower. After evaluating the drive test results, Cellco agreed to reduce the tower height to 100'. As described in the Application, this tower height reduction results in coverage deficiencies along a portion of Route 67 to the northwest of the subject site. Cellco believes that it can address this remaining problem

area through the installation of a small cell facility targeted specifically to that area. (*See* Application p. 7). This reduction in tower height results in a reduction in year-round visibility from 18-acres to 11-acres.

Question No. 3

How will Cellco recover the cost of construction of the facility?

Response

The costs associated with providing Cellco customers with the nation's most reliable wireless service network, including the cost for development of network infrastructure (small cells and macro-cells), are paid for by the individuals, corporations and government entities that purchase Cellco's wireless service.

Question No. 4

How would the facility be decommissioned at the end of its useful life?

Response

If the proposed tower site is not needed in the future, the tower, its foundation, radio equipment, back-up generators and propane fuel tanks along with the concrete pads upon which they rest, and the perimeter security fence could all be removed from the site. Because no trees need to be removed to build the proposed tower and facility compound, site decommissioning would return the Property to its pre-development condition.

Site Search

Question No. 5

Referring to Application Attachment 8 – Site Search Summary, were properties investigated in 2014-2015, re-examined prior to submission of the application to the Council?

Response

Yes.

Question No. 6

In what year was the site search completed?

Response

The site search was completed in May of 2021.

Question No. 7

For properties that were rejected by RF engineers, what tower heights were modeled in these locations?

Response

Each of the sites investigated were modeled at a height of 180 feet.

Question No. 8

Why are more properties listed in Application Attachment 8 than in the Technical Report submitted to the Town?

Response

As discussed in the Applicant's response to Question No. 1 above, following the submission of the Technical Report and the VPIM, municipal officials and members of the public asked Cellco to explore numerous alternative towers sites. Several of the alternatives offered were previous evaluated but many were new locations not previously considered. On several of the larger parcels, Cellco considered multiple tower locations.

Question No. 9

Is Site #2, 19 Soundview Drive, a viable alternative?

Response

The parcel at 19 Soundview Drive is technically “viable” in that a tower of adequate height on this parcel would satisfy Cellco’s wireless service objectives in Woodbridge. The parcel is approximately 1,000 feet to the west of the proposed tower site but maintains a ground elevation approximately 30-40 feet lower than the proposed tower site. Cellco anticipates that a tower of 130-140 feet in height would be needed at this parcel to match the coverage from the proposed 100-foot Woodbridge North 2 tower. In addition, a tower on this parcel may end up being closer to residences to the north than the proposed tower site and would require the removal of more trees than at the proposed tower site. Regardless, the owner made it very clear that he was not interested in hosting a tower at 19 Soundview Drive.

Question No. 10

Referring to the Technical Report Site Search Summary, why were the Town’s properties at 46 Burnt Swamp Road and Meeting House Lane considered viable, but then subsequently rejected? Provide coverage plots from these locations.

Response

To be clear, as described in the Technical Report, it was Cellco’s real estate representatives that identified the two Town parcels (46 Burnt Swamp Road and a parcel off Meetinghouse Lane) as “potentially viable” likely by virtue of their proximity to the proposed site and the Town’s request that they be evaluated. Once these sites were evaluated by Cellco’s RF Engineers it was very obvious that neither site would satisfy Cellco’s wireless service objectives. Both of these parcels maintain ground elevations that are much lower than the proposed tower site (94 feet lower at Bunt Swamp Road and 169 feet lower at Meetinghouse Lane). The Meetinghouse Lane location is also more than 4,000 feet to the southwest of the proposed cell site. The combination of a lower ground elevation and a location much further

from the target area were the principal reasons why the sites were rejected. The coverage plots requested are included in Exhibit 3.

Question No. 11

Provide detail as to why a series of small cell deployments on existing utility poles would not be a viable solution to provide coverage to the proposed service area.

Response

It may be theoretically and technically possible to install a large number of small cells or Distributed Antenna System nodes in the area that could closely match the coverage footprint of the proposed Woodbridge North 2 Facility (macro cell). Such an approach, however, is not economically feasible and is not consistent with good RF Engineering practice. Typically, small cell facilities or DAS nodes would utilize existing infrastructure (i.e. electric distribution poles) along public rights of way in areas where coverage and/or capacity problems exist. These existing utility poles are often encumbered by other equipment (i.e. transformers, street lights and risers) that will limit Cellco's ability to use the pole. Structural limitations of the existing poles will limit Cellco's ability to deploy all of the equipment needed to provide service in all of its operating frequencies. Providing some form of back-up power to small cells or DAS nodes is very difficult and, in many cases, impossible, making the service even more vulnerable to storm events. In areas where this existing infrastructure is not available, for example, along private roads or on private and municipal properties, property rights would need to be acquired and new poles would need to be installed. The actual number of small cell facilities that would be needed to provide a service comparable to that from the proposed Facility is not known but would be significant given the overall size of the area that Cellco is attempting to serve with the proposed facility. In an effort to be responsive to concerns raised by municipal officials and residents in

the area Cellco has significantly reduced the height of the tower by 40', to 100' at the proposed tower site. This height reduction results in the reduction in reliable service to the northwest of the tower site along a portion of Route 67. Cellco would attempt to address this service deficiency by installing a small cell in this general area. Even the use of a single small cell where a tower of sufficient height could meet its service objective, results in compromises to network reliability. Under the circumstances here in Woodbridge, however, Cellco has determined that this compromise would be acceptable.

Site/Tower

Question No. 12

Would any blasting be required to develop the site?

Response

Cellco does not anticipate the need for blasting. If the Council approves the Docket No. 491 application, Cellco will prepare a Geotechnical Survey of the tower site to determine the nature of sub-surface conditions.

Question No. 13

What is the area of disturbance required to develop the site?

Response

The total area of disturbance required for the development of the proposed Woodbridge North 2 Facility is approximately 16,000 square feet.

Question No. 14

Referencing Application Attachment 1, Sheet A-1, Compound Surface, the plan indicates the compound would have three inches of crushed stone over a layer of Mirafi fabric. How was the stone depth determined? Is it based on a code requirement, drainage design, geotechnical

conditions, etc.? Explain.

Response

The 3-inch layer of crushed stone cover over a Mirafic filter fabric is the minimal depth for the subject site. This arrangement is generally intended to foster rainwater infiltration and is subject to change pending the outcome of a geotechnical report. The geotechnical report will be completed and would be included as a part of the Development and Management Plan is the Docket No. 502 facility is approved.

Question No. 15

What measures are proposed for the site to ensure security and deter vandalism?
(Including alarms, gates, locks, anti-climb fence design, etc.)

Response

The wireless facility compound will be surrounded by an eight (8) foot tall chain link security fence and gate. The gate will be locked with access limited to the wireless carriers sharing the facility. Cellco's wireless equipment will maintain separate silent intrusion alarms systems which are monitored remotely. Climbing pegs on the lower portion of the tower will also be removed.

Question No. 16

Pursuant to CGS §16-50p(a)(3)(G), identify the safety standards and/or codes by which equipment machinery or technology that would be used or operated at the proposed facility.

Response

- 2012 International Building Code with the 2016 CT Building Code Amendments.
- National Electric Code (NFPA70).
- 2005 CT State Fire Safety Code with the 2009 Amendments.

- TIA-222-G-4 “Structural Standards for Steel Antenna Towers and Antenna Supporting Structures”.
- Occupational Safety and Health Administration (OSHA).

Cellco will comply with these safety standards and codes as they may be updated over time.

Coverage/Capacity

Question No. 17

Would the proposed antennas be capable of offering 5G services or would a new antenna be required to transmit 5G once this service is deployed in this area?

Response

The proposed Woodbridge North 2 Facility would be capable of providing 5G wireless service.

Question No. 18

Referring to Application pp. 8-9, for each frequency, what portion of the site coverage footprint consists of new reliable wireless service?

Response

See table below.

Frequency (MHz)	700	850	1900	2100
New Coverage (square miles)	2.0	3.5	1.2	0.6

Question No. 19

How do Cellco’s wireless service frequencies interact with each other?

Response

All of Cellco's licensed frequencies (700 MHz, 850 MHz, 1900 MHz, 2100 MHz) are used to transmit both voice and data services. Cellco customers transfer seamlessly between Cellco's operating frequencies during handoff between cell sites. Handoff can also occur between frequencies at an individual cell site for load balancing purposes. Subject to availability at a particular cell site, frequencies can also be used together (a feature called "carrier aggregation") making more of the existing bandwidth available to a particular user.

Question No. 20

Would the proposed site be needed for coverage, capacity, or both? If the proposed facility is also needed for capacity, please respond to the following:

- a) Are any nearby wireless facilities (or sectors) nearing capacity limits? If so, what sites, frequencies, and sectors?
- b) Please include a projected exhaustion date for each of these sectors.
- c) Would the deployment of the proposed facility be sufficient to address these capacity concerns, or would an additional facility be required in the near term to off-load traffic?

Response

The Woodbridge North 2 Facility is a coverage site. The neighboring sites and sectors are not projected to reach their capacity limits for the foreseeable future.

Question No. 21

How would a reduction in tower height from the previously proposed 140 feet to 100 feet affect Cellco's coverage objectives in the area? Would an additional facility be required to provide wireless service to areas with inadequate service due to a reduced tower height? If so, in

what areas?

Response

As discussed in the Application narrative, Section III.B.2. (Footnote 4), the reduction in antenna height from 140 feet to 100 feet does result in coverage deficiencies along a portion of Route 67 to the northwest of the Property. Cellco believes that it can resolve this service deficiency through the installation of a small cell facility targeted specifically to that area. While this is not the preferred approach to satisfy its wireless service objectives in Woodbridge, Cellco is trying to be sensitive to concerns raised by neighbors and municipal officials.

Question No. 22

What indicators did Cellco use to identify substandard service within the proposed service area? Provide supporting data if available.

Response

Cellco's drive test measurements show very weak to unusable signal on CT Route 63 and CT Route 67 near the intersection of the two and on the neighboring roads (*See* the drive test map included in Exhibit 4). In addition, Cellco has had more than 30 customer complaints about poor coverage in the vicinity of the proposed site in the last three years.

Question No. 23

Why do the coverage plots in Application Attachment 6 show coverage from Cellco's existing *Hamden* facility but the coverage plots within the Technical Report do not?

Response

Cellco still intends to decommission the Hamden cell site. A precise date for that decommissioning has not been set. Because the site will be decommissioned in the future the plots in the Technical Report depicted future coverage without Hamden. During the municipal

consultation process and the VPIM a number of the neighbors expressed concerns about the exclusion of the Hamden site from Cellco's plots. We therefore decided to include the Hamden site on the plots submitted with the Application.

Question No. 24

In Docket 486 (refer to Council's findings of fact #57, #58, #59), Cellco represented that the decommissioning of Cellco's *Hamden* facility may be delayed until a new facility in eastern Woodbridge is developed. Does Cellco intend to decommission the *Hamden* facility if the proposed site is approved and constructed? Does the *Hamden* facility provide adequate service to the Docket 502 proposed service area? Please explain in detail.

Response

As mentioned above, Cellco intends to decommission the Hamden site at some point in the future. The Hamden site is at least 2.5 to 3 miles away from the proposed target area for the Woodbridge North 2 Facility. The existing Hamden cell site does not provide adequate service to the same area that would be served by the Woodbridge North 2 Facility. As illustrated by the drive test map submitted in response to Question 22, above, and from the coverage plots in Attachment 6 of the Application, existing service in Woodbridge is lacking today even with the Hamden facility on line.

Question No. 25

Have any other wireless carriers expressed an interest in co-locating on the proposed facility to date?

Response

No.

Backup Power

Question No. 26

What would be the respective run time for the backup generator before it would need to be refueled, assuming it is running at full load under normal conditions?

Response

Cellco intends to install a 30-kW propane-fueled generator at the proposed tower site. Under normal loading conditions, the proposed 30-kW generator could operate for approximately 120 – 168 hours (5-7 days) before refueling would be necessary.

Question No. 27

Would the battery backup be used to provide uninterrupted power and prevent a reboot condition? How long could the battery backup alone supply power to the facility in the event that the generator fails to start?

Response

Yes, battery backup would provide uninterrupted power to the facility and prevent a “reboot” condition. The backup battery system is designed to keep the cell site operating for up to eight (8) hours.

Public Safety

Question No. 28

Will the proposed facility support text-to-911 service? Is additional equipment required for this purpose?

Response

Yes, the proposed Facility will be capable of supporting text-to-911. No additional cell site equipment is necessary to support this service.

Question No. 29

Would the proposed facility comply with the intent of the Warning, Alert and Response Network Act of 2006?

Response

Yes.

Question No. 30

Would Cellco's antennas comply with federal E911 requirements?

Response

Yes.

Question No. 31

Referring to Application Attachment 17, what type of aviation safety analysis was performed. Referring to the Connecticut Airport Authority comments dated June 8, 2021, is a filing of Federal Aviation Administration Form 7460 required for this project?

Response

Attachment 17 to the Application contains a Federal Airways & Airspace Summary Report which utilizes the FAA airspace modeling tool. According to the report, notification of the FAA is not required.

Environment

Question No. 32

What is the distance from the site to the Audubon designated West Rock Ridge Important Bird Area?

Response

The West Rock Ridge Important Bird Area is located 1.9 miles to the east of the proposed

Woodbridge North 2 tower site.

Question No. 33

What facility equipment would emit audible noise during site operation? Would the proposed facility comply with Department of Energy and Environmental Protection (DEEP) noise control standards at the property boundaries?

Response

The combined noise emitted from the proposed generator and equipment cabinets is estimated to be 51.6 dBA. Most of the noise emissions would emanate from the back-up the generator when it is exercised (once every two weeks) during daytime hours. Noise from the equipment cabinets will be produced by the equipment cooling fans and is minimal. *See* noise emission summary below.

Equipment	Application Factor dBA	Quantity	Distance to the nearest property line (ft)	Combined dBA
Generator	57 dBA @ 23ft	1	43	51.6
Battery Cabinet	50dBA & 3ft	1	50	25.2
Equipment Cabinet	50dBA & 3ft	1	50	25.2
Combined dBA				51.6

The maximum allowable noise emitted for developed residential districts per the Town of Woodbridge noise ordinance is 61dBA during the day and 51 dBA during the night.

Question No. 34

Referring to Application Attachment 9 – Visibility Assessment, revise Table 1 to include a column that estimates how much of the tower is visible in each photograph (in feet).

Response

The table included as Exhibit 5 and titled “CSC Docket No. 502 Interrogatory Answer 34” includes a revised table that includes a column with the estimated height of the tower that is visible in each photograph. As noted on the table, the majority of seasonal photos the tower would be visible within the tree line in leaf-off conditions.

Question No. 35

Referring to Application Attachment 9 – Visibility Assessment p. 6, how many residences within 0.25 mile of the site may have year-round views? Please characterize the views from these residences.

Response

Year-round views are anticipated from eight (8) residences, including the residence on the host parcel, within 0.25 mile of the proposed Woodbridge North 2 Facility. Year-round views would occur from the seven (7) additional residences, similar to the views simulated in photos 2, 15, and 16 in Attachment 9 of the Application.

Question No. 36

What, if any, stealth tower design options would be feasible to employ at this site? Please provide costs related to each stealth tower design.

Response

A “monopine” tower design could be considered as an option at this site because there are numerous stands of conifers in the vicinity and a “tree tower” would assist in softening views from many locations, particularly when the leaves are off the deciduous trees. However, closer year-round views (similar to Photos 1 and 15 in Attachment 9) would not have the advantage of surrounding vegetation for context and may actually experience a greater visual impact with the

monopine design due to its wider lateral spread.

Question No. 37

Please submit photographic site documentation with notations linked to the site plans or a detailed aerial image that identify locations of site-specific and representative site features. The submission should include photographs of the site from public road(s) or publicly accessible area(s) as well as Site-specific locations depicting site features including, but not necessarily limited to, the following locations as applicable:

For each photo, please indicate the photo viewpoint direction and stake or flag the locations of site-specific and representative site features. Site-specific and representative site features include, but are not limited to, as applicable:

1. wetlands, watercourses and vernal pools;
2. forest/forest edge areas;
3. agricultural soil areas;
4. sloping terrain;
5. proposed stormwater control features;
6. nearest residences;
7. Site access;
8. tower/compound;
9. clearing limits/property lines;
10. mitigation areas; and
11. any other noteworthy features relative to the Project.

A photolog graphic must accompany the submission, using a site plan or a detailed aerial image, depicting each numbered photograph for reference. For each photo, indicate the photo

location number and viewpoint direction, and clearly identify the locations of site-specific and representative site features shown (e.g., physical staking/flagging or other means of marking the subject area).

The submission shall be delivered electronically in a legible portable document format (PDF) with a maximum file size of <20MB. If necessary, multiple files may be submitted and clearly marked in terms of sequence.

Response

See Exhibit 6.

CERTIFICATION OF SERVICE

I hereby certify that on this 30th day of June, 2021, a copy of the foregoing was sent, via electronic mail, to the following:

Ira W. Bloom, Esq.
Berchem Moses PC
1221 Post Road East
Westport, CT 06880
ibloom@berchemmoses.com

Nicholas R. Bamonte, Esq.
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A handwritten signature in black ink, appearing to read "Kenneth C. Baldwin". The signature is fluid and cursive, with a long horizontal stroke at the end.

Kenneth C. Baldwin

KENNETH C. BALDWIN

280 Trumbull Street
Hartford, CT 06103-3597
Main (860) 275-8200
Fax (860) 275-8299
kbaldwin@rc.com
Direct (860) 275-8345

Also admitted in Massachusetts
and New York

June 10, 2021

Xiang Li
15 Penny Lane
Woodbridge, CT 06525

Re: **Cellco Partnership d/b/a Verizon Wireless - Proposed Telecommunications Facility
Woodbridge, Connecticut**

Dear Mr. Li:

The enclosed letter was sent to you on May 11, 2021, certified mail return receipt requested. This letter was returned by the Post Office marked "Unclaimed".

Please contact me if you have any questions.

Sincerely,



Kenneth C. Baldwin

KCB/kmd
Attachment

KENNETH C. BALDWIN

280 Trumbull Street
Hartford, CT 06103-3597
Main (860) 275-8200
Fax (860) 275-8299
kbaldwin@rc.com
Direct (860) 275-8345

Also admitted in Massachusetts
and New York

May 11, 2021

Via Certified Mail, Return Receipt Requested

Xiang Li
15 Penny Lane
Woodbridge, CT 06525

**Re: Cellco Partnership d/b/a Verizon Wireless – Proposed Telecommunications Facility
at 118 Newton Road, Woodbridge, Connecticut**

Dear Mr. Li:

Cellco Partnership d/b/a Verizon Wireless (“Cellco”) will be submitting an application to the Connecticut Siting Council (“Council”) on or about May 13, 2021, for the construction of a new telecommunications facility in the Town of Woodbridge, Connecticut.

The proposed facility would consist of a new 100-foot monopole tower in the western portion of a 6.01-acre parcel at 118 Newton Road in Woodbridge (the “Property”). The tower, radio equipment, a backup generator and a propane fuel tank will be installed within a 50’ x 50’ fenced facility compound. Access to the facility would extend from Soundview Drive. Site plan drawings for the proposed facility are attached for your review. The location and other features of the proposed facility, including tower height, are subject to change under the provisions of Connecticut General Statutes § 16-50g et seq. and 47 U.S.C. § 1455e.

State law provides that owners of record of property which abuts a parcel on which a facility is proposed to be located must receive notice of the submission of this application. This notice is directed to you either because you may be an abutting land owner or as a courtesy notice.

22291518-v1

Boston | Hartford | New York | Providence | Stamford | Albany | Los Angeles | Miami | New London | **rc.com**

May 11, 2021

Page 2

If you have any questions concerning the application, please direct them to either the Connecticut Siting Council or me. My address and telephone number are listed above. The Siting Council may be reached at its New Britain, Connecticut office at (860) 827-2935.

Very truly yours,

A handwritten signature in black ink, appearing to read "Kenneth C. Baldwin". The signature is fluid and cursive, with a long horizontal stroke at the end.

Kenneth C. Baldwin

KCB/kmd
Attachment

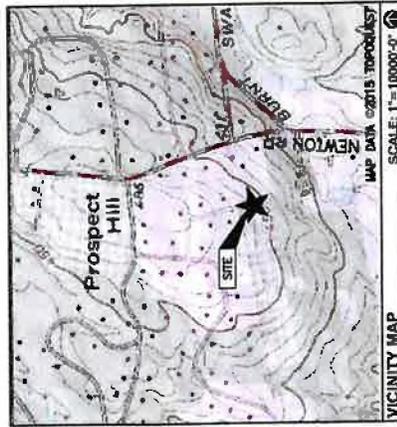
CELLCO PARTNERSHIP



WIRELESS COMMUNICATIONS FACILITY

WOODBIDGE N2 CT

118 NEWTON ROAD
WOODBIDGE, CT 06525



DIRECTIONS TO SITE:
 FROM 20 ALEXANDER DR WALLINGFORD, CT 06492
 TURN LEFT ONTO WOODBRIDGE N2 CT-68 W AND US-5 N/N COLONY RD
 HEAR SOUTHWEST TOWARD ALEXANDER DR
 TURN RIGHT TOWARD ALEXANDER DR
 TURN RIGHT TOWARD ALEXANDER DR
 TURN RIGHT ONTO ALEXANDER INDUSTRIAL RD S
 TURN LEFT AT THE 1ST CROSS STREET ONTO CT-68 W
 TURN RIGHT ONTO US-5 N/N COLONY RD
 TURN LEFT TO MERGE ONTO CT-15 S TOWARD NEW HAVEN
 FOLLOW CT-15 S TO HARTFORD TURNPIKE IN NORTH HAVEN. TAKE EXIT 63 FROM
 TAKE EXIT 63 TOWARD CT-72/N HAVEN
 TURN LEFT ONTO HARTFORD TURNPIKE
 TURN LEFT ONTO BISHOP ST., CONTINUE ONTO RIDGE RD
 TURN RIGHT ONTO US-5 N/N COLONY RD TO FOLLOW CT-22 W
 TURN RIGHT ONTO NEAR RD. DESTINATION WILL BE ON THE LEFT

CONSULTANT TEAM

PROJECT ENGINEER
 HUDSON DESIGN GROUP, LLC
 45 BEECHWOOD DRIVE
 NORTH ANDOVER, MA 01845
 TEL: 1-(978)-357-5553
 FAX: 1-(978)-336-5586

M/E/P ENGINEER
 HUDSON DESIGN GROUP, LLC
 45 BEECHWOOD DRIVE
 NORTH ANDOVER, MA 01845
 TEL: 1-(978)-357-5553
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PROJECT SUMMARY

SITE NAME: WOODBRIDGE N2 CT
SITE ADDRESS: 118 NEWTON ROAD, WOODBRIDGE, CT 06525
PROPERTY OWNER: SANFORD & BETY SOUFRINE, 118 NEWTON ROAD, WOODBRIDGE, CT 06525
APPLICANT: CELLCO PARTNERSHIP, d/b/a VERIZON WIRELESS, 20 ALEXANDER DRIVE, WALLINGFORD, CT 06492
SITE ACQUISITION CONTACT: CHUCK WEBBERLY, STRUCTURE CONSULTING GROUP, 49 BRATTLE STREET, ARLINGTON, MA 02474
LEGAL/REGULATORY COUNSEL: KENNETH C. BALDWIN ESQ., 68 WASHINGTON STREET, WOODBRIDGE, CT 06525
LATITUDE: N41° 22' 03.10"
LONGITUDE: W73° 00' 40.41"

SCOPE OF WORK INFO.
 VERIZON WIRELESS IS PROPOSING TO INSTALL THE FOLLOWING IMPROVEMENTS ON PROPOSED TELECOMMUNICATION SITE:
 ON EXISTING PARCEL OF LAND,
 • NEW 50'x50' FENCED COMPOUND WITHIN PROPOSED 100'x100' LEASE AREA
 • NEW PANEL ANTENNAS: (4) ANTENNA PER SECTOR WITH (3) SECTORS, FOR A TOTAL OF (12) ANTENNAS.
 • NEW RRHS: (3) RRHS PER SECTOR WITH (3) SECTORS, FOR A TOTAL OF (9) RRHS
 • NEW JUNCTION BOXES: (2) JUNCTION BOXES (OVFP) TOTAL
 ITEMS LISTED ABOVE TO BE MOUNTED ON PROPOSED VERIZON TOWER.
 • NEW EQUIPMENT CABINETS: (2) CABINETS WITH GENERATOR ON PROPOSED CONCRETE PADS.
 ITEMS LISTED ABOVE TO BE INSTALLED WITHIN THE PROPOSED 50'x50' FENCED COMPOUND.
 • NEW POWER AND TELCO SERVICES WILL BE ROUTED UNDERGROUND FROM EXISTING UTILITY POLE TO PROPOSED ELECTRICAL METER AND HOFFMAN BOX ON PROPOSED H-FRAME.
 • FINAL UTILITY ROUTING TO BE DETERMINED/VERIFIED BY UTILITY COMPANIES.



HDS
HUDSON
 Design Group LLC
 45 BEECHWOOD DRIVE
 NORTH ANDOVER, MA 01845
 TEL: (978) 357-5553
 FAX: (978) 336-5586



Daniel P. Starnes

CHECKED BY: JK
 APPROVED BY: DPH

SUBMITTALS

REV	DATE	DESCRIPTION	BY
1	10/17/09	ISSUE PERMITS	JK
2	1/28/10	REV. TAKE RECORD & EXAMINER SET	JK
3	10/17/10	ISSUED FOR USE	JK

SITE NAME:
 WOODBRIDGE N2 CT
SITE ADDRESS:
 118 NEWTON ROAD
 WOODBRIDGE, CT 06525

TITLE SHEET

SHEET NUMBER
 T-1

SHEET INDEX

SHT. NO.	DESCRIPTION
T-1	TITLE SHEET
C-1	ABUTTERS PLAN
C-2	SITE PLAN
A-1	COMPOUND PLAN
A-2	ELEVATION
A-3	EQUIPMENT CONCRETE PAD AND DETAILS

PROVIDED FOR: ELECTRIC TRANSMISSION P.A.B.A.



HUDSON
Design Group LLC
418 NEWTON ROAD
WOODBRIDGE, MA 01981
TEL: 978.327.5500
FAX: 978.327.5506



CHECKED BY: JK

APPROVED BY: DPH

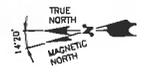
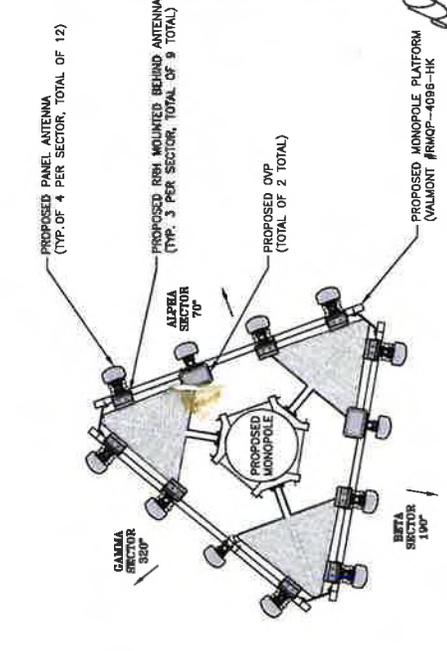
SUBMITTALS	
REV.	DESCRIPTION
1	ISSUED FOR PERMIT REVIEW & STAKEOUT
2	ISSUED FOR CONSTRUCTION
3	ISSUED FOR AS-BUILT

SITE NAME:
WOODBRIDGE N2 CT

SITE ADDRESS:
116 NEWTON ROAD
WOODBRIDGE, CT 06525

SHEET TITLE
ELEVATION AND ANTENNA PLAN

SHEET NUMBER
A-2



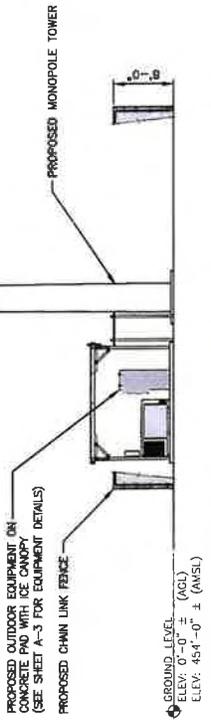
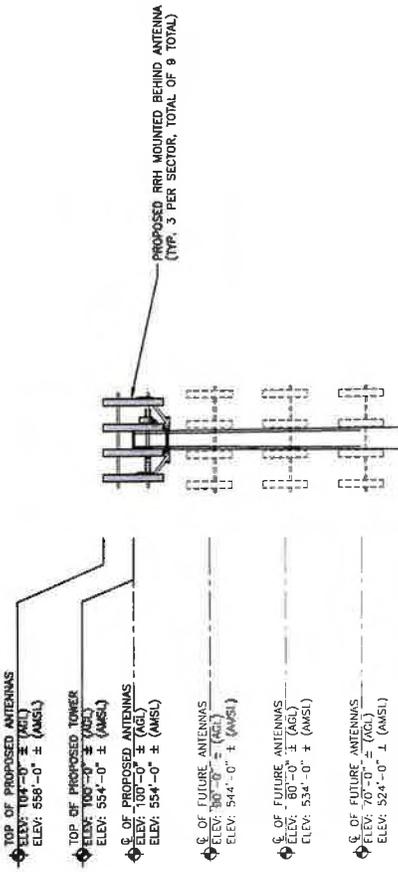
ANTENNA PLAN
SCALE: N.T.S.

TOWER NOTES:

- 1.) TOWER ELEVATION IS SHOWN FOR REFERENCE ONLY. CONTRACTOR SHALL REFER TO TOWER MANUFACTURER DRAWINGS FOR COMPLETE INSTALLATION AND BILL OF MATERIAL INFORMATION.
- 2.) TOWER MINIMUM DESIGN SPECIFICATIONS SHALL BE IN ACCORDANCE WITH ANSI/TIA/EIA 222-G 'STRUCTURAL STANDARDS FOR SUPPORTING STRUCTURES AND ANTENNAS, REVISION G', AND GOVERNING FEDERAL, STATE, AND LOCAL REGULATIONS.
- 3.) TOWER MANUFACTURER SHALL BE RESPONSIBLE FOR DESIGN AND STRUCTURAL COMPONENTS OF THE TOWER.
- 4.) FINAL UTILITY CONNECTIONS SHALL BE COORDINATED WITH THE LOCAL UTILITIES.

NOTE TO GENERAL CONTRACTOR:

'RF' DESIGN AND EQUIPMENT IS BASED UPON RFDS ISSUED BY VZW DATED: 8/3/2016. THE CONTRACTOR OF RECORD SHALL CONTACT VZW PRIOR TO ANY AND ALL ORDERING/PURCHASING/INSTALLATION OF EQUIPMENT TO VERIFY THAT THE 'RF' LISTED IN THE DRAWING SET IS CURRENT AND UP TO DATE.



WEST ELEVATION
22234 SCALE: 1/8"=1'-0"
11x17 SCALE: 1/16"=1'-0"



CHECKED BY: JX
APPROVED BY: DPH

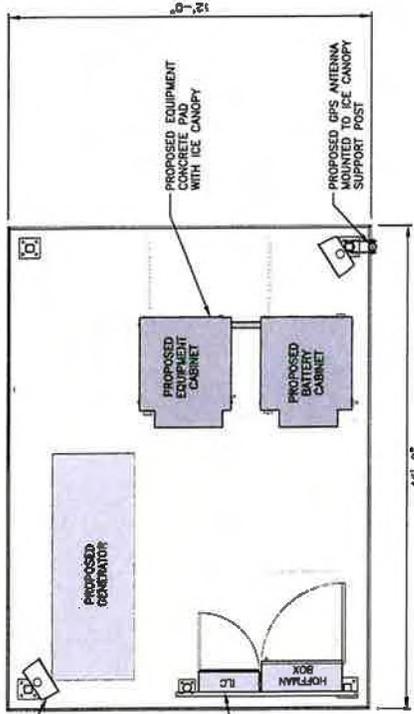
SUBMITTALS	
NO.	DESCRIPTION
1	1. 1/2" X 1/2" (1/2" MIN. THICK) STAINLESS STEEL WELDING RODS
2	2. 1/2" X 1/2" (1/2" MIN. THICK) STAINLESS STEEL WELDING RODS
3	3. 1/2" X 1/2" (1/2" MIN. THICK) STAINLESS STEEL WELDING RODS

SITE NAME:
WOODBIDGE N2 CT

SITE ADDRESS:
118 NEWTON ROAD
(ACCESS FROM SOUTHWIND DR.)
WOODBIDGE, CT 06525

SHEET TITLE
EQUIPMENT CONCRETE PAD AND DETAILS

SHEET NUMBER
A-3



GENERATOR PLAN
SCALE: N.T.S.

PROPOSED LED FLOOD LIGHT (TYP. OF 2) MOUNTED PER MANUFACTURER'S RECOMMENDATIONS

PROPOSED NEMA 3R ILC BOX MODEL # TTS SERIES ILC-200 BY GENERAC (OR APPROVED EQUAL)

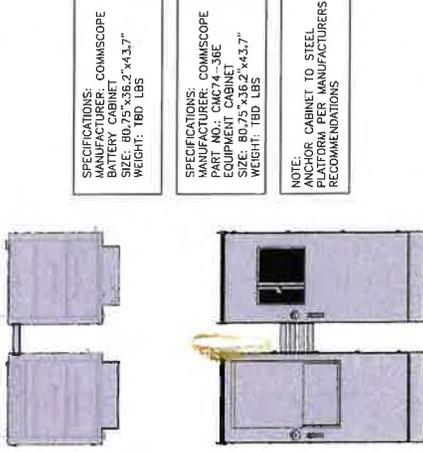
PROPOSED EQUIPMENT CONCRETE PAD WITH ICE CANOPY

PROPOSED GPS ANTENNA WITH ICE CANOPY SUPPORT POST

PROPOSED EQUIPMENT CABINET

PROPOSED BATTERY CABINET

DUAL CABINET DETAIL (EQUIPMENT & BATTERY)
SCALE: N.T.S.



SPECIFICATIONS:
MANUFACTURER: COMMSCOPE
EQUIPMENT CABINET
SIZE: 80.75" X 36.2" X 43.7"
WEIGHT: 180 LBS

SPECIFICATIONS:
MANUFACTURER: COMMSCOPE
EQUIPMENT CABINET
PART NO.: CMCT4-36E
SIZE: 80.75" X 36.2" X 43.7"
WEIGHT: 180 LBS

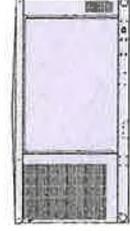
NOTE:
ANCHORS CABINET TO STEEL PINCHES PER MANUFACTURER'S RECOMMENDATIONS

LED FLOOD LIGHT DETAIL
SCALE: N.T.S.



COOPER LIGHTING INTL. NIGHT FALCON
LED FLOOD LIGHT
SLIPFITTER MOUNT AND VANDAL SHIELD
MOUNT PER MANUFACTURER'S SPECIFICATIONS.

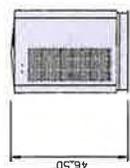
LED FLOOD LIGHT DETAIL
SCALE: N.T.S.



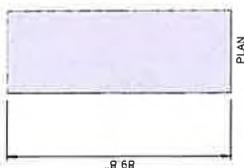
SIDE

GENERATOR	
KOHLER 300CL	
30KW LP GAS GENERATOR	
5-11 H2O	421 13.27h
STEEL: 1-432 lbs.	

GENERATOR DETAIL
SCALE: N.T.S.



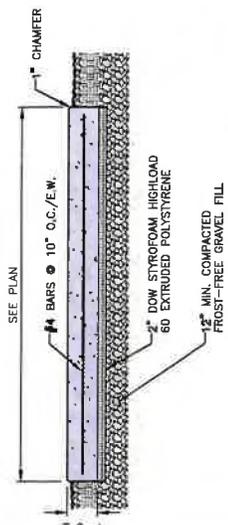
FRONT
32.7"



PLAN
89.8"

FOUNDATION NOTES & CONCRETE SPECIFICATIONS:

- FOUNDATION AREA SHALL BE EXCAVATED TO THE DEPTH AND DIMENSIONS SHOWN. ALL EXCESSIVE WEAK AND UNSUITABLE MATERIAL SHALL BE REMOVED AND LEGALLY DISPOSED OF OFF-SITE. THE SUBGRADE SHALL BE ROLLED WITH A 1-TON, VIBRATORY, WALK-BEHIND ROLLER AT A SPEED OF LESS THAN 2 FPS, 6 PASSES MINIMUM, TO PROVIDE UNYIELDING SURFACE.
- UNDERCUT SOFT OR "WEAVING" AREAS A MINIMUM OF 12 INCHES DEEP. BACKFILL UNDERCUT AREA WITH FILL MEETING THE SPECIFICATIONS OF STRUCTURAL FILL.
- CONCRETE TO HAVE A MINIMUM 28 DAY COMPRESSIVE STRENGTH (C) = 4000 PSI. CONCRETE TO BE AIR ENTRAINED, DESIRED AIR CONTENT TO BE 6% (PLUS OR MINUS 2%).
- REINFORCING BAR TO BE ASTM A615 GRADE 60.
- WELDED WIRE FABRIC TO CONFORM TO THE REQUIREMENTS OF ASTM A185. WIRES FOR FABRIC TO CONFORM TO THE REQUIREMENTS OF ASTM A82.
- ALL REINFORCING TO HAVE MINIMUM CONCRETE COVER PER ACI SPECIFICATIONS.
- ALL CONCRETE MATERIALS AND WORKMANSHIP SHALL CONFORM TO LATEST EDITION OF ACI 318 AND APPLICABLE STATE BUILDING CODE.



CONCRETE PAD DETAIL
22x34 SCALE: N.T.S.

SEE PLAN
#4 BARS @ 10" O.C./E.W.
1" CHAMFER
2" DOW STYROFOAM HIGHLOAD 60 EXTRUDED POLYSTYRENE
12" MIN. COMPACTED FROST-FREE GRAVEL FILL

GENERATOR DETAIL
SCALE: N.T.S.

LED FLOOD LIGHT DETAIL
SCALE: N.T.S.

SWITCH DETAIL
SCALE: N.T.S.



INTERMATIC WP1220C
TYPE: DOUBLE GANG
HINGE: VERTICAL
INSERT: WP217
DEPTH: 2-1/4"
COLOR: CLEAR
OR APPROVED EQUIVALENT

SWITCH DETAIL
SCALE: N.T.S.

INTERMATIC FFBH
TIME CYCLE: 8 HOURS
SWITCH: SPST
HOLD: NO
OR APPROVED EQUIVALENT

SWITCH DETAIL
SCALE: N.T.S.

Robinson+Cole

280 Trumbull Street | Hartford | CT 06103

PLACE STICKER AT TOP OF ENVELOPE TO THE RIGHT OF THE RETURN ADDRESS. FOLD AT DOTTED LINE
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neopostSM FIRST-CLASS MAIL
05/11/2021
US POSTAGE \$007.16⁰⁰



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041L12208937

UN
15-13

Xiang Li
15 Penny Lane
Woodbridge, CT

5/28

NIXIE 061 DE 1 0006/08/21

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UNABLE TO FORWARD

UNC BC: 06103350999 *0344-02717-11-38

06103350999



SENDER: COMPLETE THIS SECTION

- Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired.
- Print your name and address on the reverse so that we can return the card to you.
- Attach this card to the back of the mailpiece, or on the front if space permits.

1. Article Addressed to:

Xiang Li
15 Penny Lane
Woodbridge, CT 06525

2. Article Number
(Transfer from service label)

7014 0150 0000 0537 1262

PS Form 3811, July 2013

COMPLETE THIS SECTION ON DELIVERY

A. Signature

X

- Agent
 Addressee

B. Received by (Printed Name)

C. Date of Delivery

- D. Is delivery address different from item 1? Yes
If YES, enter delivery address below: No

3. Service Type

- Certified Mail® Priority Mail Express™
 Registered Return Receipt for Merchandise
 Insured Mail Collect on Delivery

4. Restricted Delivery? (Extra Fee) Yes

Domestic Return Receipt

KENNETH C. BALDWIN

280 Trumbull Street
Hartford, CT 06103-3597
Main (860) 275-8200
Fax (860) 275-8299
kbaldwin@rc.com
Direct (860) 275-8345

Also admitted in Massachusetts
and New York

June 10, 2021

Elizabeth Crafts
110 Newton Road
Woodbridge, CT 06525

Re: **Cellco Partnership d/b/a Verizon Wireless - Proposed Telecommunications Facility
Woodbridge, Connecticut**

Dear Ms. Crafts:

The enclosed letter was sent to you on May 11, 2021, certified mail return receipt requested. This letter was returned by the Post Office marked "Unclaimed".

Please contact me if you have any questions.

Sincerely,



Kenneth C. Baldwin

KCB/kmd
Attachment

May 11, 2021

Via Certified Mail, Return Receipt Requested

Elizabeth Crafts
110 Newton Road
Woodbridge, CT 06525

**Re: Cellco Partnership d/b/a Verizon Wireless – Proposed Telecommunications Facility
at 118 Newton Road, Woodbridge, Connecticut**

Dear Ms. Crafts:

Cellco Partnership d/b/a Verizon Wireless (“Cellco”) will be submitting an application to the Connecticut Siting Council (“Council”) on or about May 13, 2021, for the construction of a new telecommunications facility in the Town of Woodbridge, Connecticut.

The proposed facility would consist of a new 100-foot monopole tower in the western portion of a 6.01-acre parcel at 118 Newton Road in Woodbridge (the “Property”). The tower, radio equipment, a backup generator and a propane fuel tank will be installed within a 50’ x 50’ fenced facility compound. Access to the facility would extend from Soundview Drive. Site plan drawings for the proposed facility are attached for your review. The location and other features of the proposed facility, including tower height, are subject to change under the provisions of Connecticut General Statutes § 16-50g et seq. and 47 U.S.C. § 1455e.

State law provides that owners of record of property which abuts a parcel on which a facility is proposed to be located must receive notice of the submission of this application. This notice is directed to you either because you may be an abutting land owner or as a courtesy notice.

May 11, 2021
Page 2

If you have any questions concerning the application, please direct them to either the Connecticut Siting Council or me. My address and telephone number are listed above. The Siting Council may be reached at its New Britain, Connecticut office at (860) 827-2935.

Very truly yours,

A handwritten signature in black ink, appearing to read "Kenneth C. Baldwin". The signature is fluid and cursive, with a long horizontal stroke at the end.

Kenneth C. Baldwin

KCB/kmd
Attachment

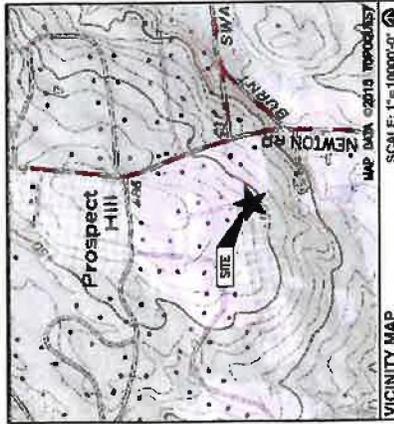
CELLCO PARTNERSHIP



WIRELESS COMMUNICATIONS FACILITY

WOODBIDGE N2 CT

118 NEWTON ROAD
WOODBIDGE, CT 06525



DIRECTIONS TO SITE:
 FROM WALLINGFORD, CT 06492
 GET ON CT-15 S FROM ALEXANDER DR. CT-66 W AND US-5 N/N COLONY RD
 HEAD SOUTHWEST TOWARD ALEXANDER DR
 TURN RIGHT TOWARD ALEXANDER DR
 TURN RIGHT TOWARD EXHIBIT 10
 TURN RIGHT ONTO BARNES INDUSTRIAL RD S
 TURN RIGHT ONTO THE 1ST CROSS STREET ONTO CT-66 W
 TURN RIGHT ONTO US-5 N/N COLONY RD
 TURN LEFT TO MERGE ONTO CT-15 S TOWARD NEW HAVEN
 TURN LEFT TO MERGE ONTO CT-15 S TOWARD NEW HAVEN
 CT-15 S MERGE ONTO CT-15 S
 TAKE EXIT 63 TOWARD CT-22/N HAVEN
 TAKE CT-22 W TO NEW RD IN HAVEN
 TURN LEFT ONTO HARTFORD TURNPIKE ONTO RIDGE RD
 TURN RIGHT ONTO CT-22 W/DAVIS RD. CONTINUE TO FOLLOW CT-22 W
 TURN RIGHT ONTO NEW RD. DESTINATION WILL BE ON THE LEFT

CONSULTANT TEAM

PROJECT ENGINEER
 HUDSON DESIGN GROUP, LLC
 45 BEECHWOOD DRIVE
 NORTH ANDOVER, MA 01845
 TEL: 1-(978)-557-5553
 FAX: 1-(978)-336-5566

MEP ENGINEER
 HUDSON DESIGN GROUP, LLC
 45 BEECHWOOD DRIVE
 NORTH ANDOVER, MA 01845
 TEL: 1-(978)-557-5553
 FAX: 1-(978)-336-5566

PROJECT SUMMARY

SITE NAME: WOODBRIDGE N2 CT
SITE ADDRESS: 118 NEWTON ROAD, WOODBRIDGE, CT 06525
PROPERTY OWNER: SANFORD & BETY SOUFRINE, 118 NEWTON ROAD, WOODBRIDGE, CT 06525
APPLICANT: CELLCO PARTNERSHIP, 476 1/2 VERIZON WIRELESS, 20 ALEXANDER DRIVE, WALLINGFORD, CT 06492
SITE ACQUISITION CONTACT: CHUCK WEBBERLY, STRUCTURE CONSULTING GROUP, 49 BRATTLE STREET, ARLINGTON, MA 02474
LEGAL/REGULATORY COUNSEL: KENNETH C. BALDWIN, ESQ., 100 WASHINGTON STREET, SUITE 110, (960)275-8345
LATITUDE: 41° 22' 03.10"
LONGITUDE: 73° 00' 40.41"

SCOPE OF WORK INFO.
 VERIZON WIRELESS IS PROPOSING TO INSTALL THE FOLLOWING IMPROVEMENTS ON PROPOSED TELECOMMUNICATION SITE:
 ON EXISTING PARCEL OF LAND:

- NEW 50'x50' FENCED COMPOUND WITHIN PROPOSED 100'x100' LEASE AREA.
- NEW PANEL ANTENNAS: (4) ANTENNA PER SECTOR WITH (3) SECTORS, FOR A TOTAL OF (12) ANTENNAS.
- NEW RRRH: (3) RRRH PER SECTOR WITH (3) SECTORS, FOR A TOTAL OF (9) RRRH.
- NEW JUNCTION BOXES: (2) JUNCTION BOXES (OVP) TOTAL.
- ITEMS LISTED ABOVE TO BE MOUNTED ON PROPOSED VERIZON TOWER.
- NEW EQUIPMENT CABINETS: (2) CABINETS WITH GENERATOR ON PROPOSED CONCRETE PADS.
- ITEMS LISTED ABOVE TO BE INSTALLED WITHIN THE PROPOSED 50'x50' FENCED COMPOUND.
- NEW POWER AND TELCO SERVICES WILL BE ROUTED UNDERGROUND FROM EXISTING UTILITY POLE TO PROPOSED ELECTRICAL METER AND HOFFMAN BOX ON PROPOSED H-FRAME.
- FINAL UTILITY ROUTING TO BE DETERMINED/VERIFIED BY UTILITY COMPANIES.

SHEET INDEX	
SHT. NO.	DESCRIPTION
T-1	TITLE SHEET
C-1	ABUTTERS PLAN
C-2	SITE PLAN
A-1	COMPOUND PLAN
A-2	ELEVATION
A-3	EQUIPMENT CONCRETE PAD AND DETAILS

PREPARED FOR: CELLCO PARTNERSHIP, P.A.

verizon

HUDSON DESIGN GROUP LLC
 45 BEECHWOOD DRIVE
 NORTH ANDOVER, MA 01845
 TEL: 978.557.5553
 FAX: 978.336.5566

David Starnes

CHECKED BY: JK
 APPROVED BY: DPH

SUBMITTALS

REV	DATE	DESCRIPTION	BY
1	11/27/09	ISSUE WORK & CONCEPT SET	JK
2	12/14/09	ISSUE WORK & CONCEPT SET	JK
3	01/27/10	ISSUE WORK & CONCEPT SET	JK

SITE NAME:
WOODBIDGE N2 CT

SITE ADDRESS:
 118 NEWTON ROAD
 WOODBRIDGE, CT 06525

SHEET TITLE
TITLE SHEET

SHEET NUMBER
T-1



CHECKED BY: JK

APPROVED BY: DPH

SUBMITTALS	
REV.	DESCRIPTION
1	1/27/20
2	1/27/20
3	1/27/20

SITE NAME:
WOODBRIDGE N2 CT

SITE ADDRESS:
118 NEWTON ROAD
(ACCESS FROM SOUTHWIND DR.)
WOODBRIDGE, CT 06525

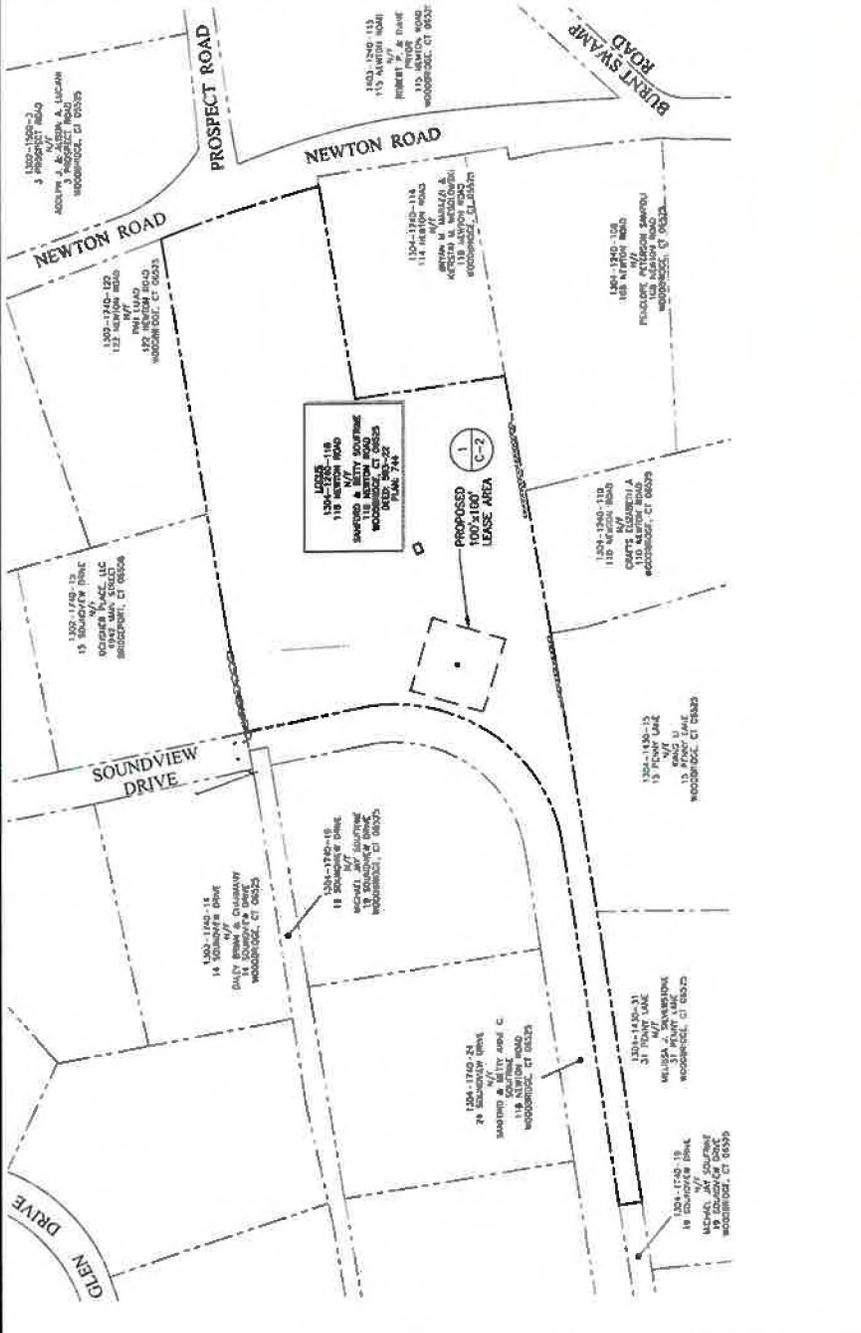
SHEET TITLE:
ABUTTERS PLAN

SHEET NUMBER:
C-1

SOURCE:
NORTHEAST SURVEY CONSULTANTS, ABUTTERS PLAN AND EXISTING CONDITIONS DATED 9/26/17
TOWN OF WOODBRIDGE GIS MAP: ACCESSED ON 1/27/20

SITE SPECIFIC NOTES:
1. PROPERTY LINE INFORMATION IS COMPILED FROM RECORDS AND FIELD SURVEY. THIS INFORMATION IS NOT TO BE CONSIDERED AS HAVING BEEN VERIFIED IN THE RESULT OF A FIELD BOUNDARY SURVEY, AND IS SUBJECT TO CHANGE AS AN ACCURATE FIELD SURVEY MAY DISCLOSE. A FULL BOUNDARY SURVEY WAS NOT PERFORMED.

LEGEND:
 - - - - - PROPERTY LINE-SUBJECT PARCEL
 - - - - - PROPERTY LINE-ABUTTERS
 - - - - - TOWN LINE
 - - - - - CONTOUR LINE
 - - - - - DELINEATED WETLAND LINE
 [Symbol] BUILDING
 [Symbol] ASSESSORS MAP-BLOCK-LOT NO.
 (E) TREE LINE



ABUTTERS PLAN
29x34 SCALE: 1"=60'-0"
11x17 SCALE: 1"=160'-0"



MUNICIPALITY NOTIFICATION LIMIT MAP

PERMITS FOR CELL TOWER/STATION



HUDSON
Design Group LLC

145 CEDARWOOD DRIVE
MIDDLETOWN, MA 01864
TEL: 978.537.5533
FAX: 978.233.1584



CHECKED BY: JK
APPROVED BY: DPH

SUBMITTALS

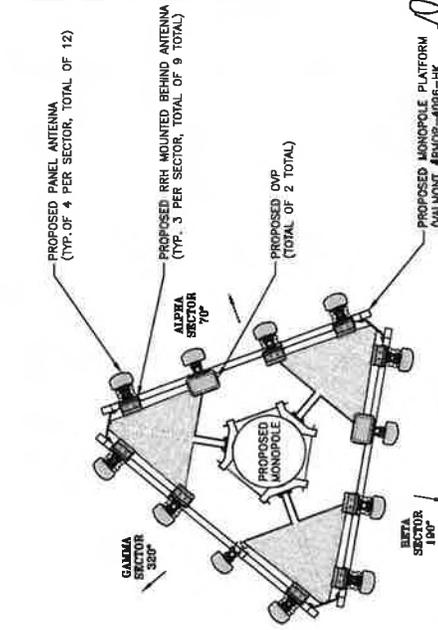
NO.	DATE	DESCRIPTION	BY
1	12/27/16	ISSUE FOR PERMITS	JK
2	12/27/16	ISSUE FOR PERMITS	JK
3	12/27/16	ISSUE FOR PERMITS	JK
4	12/27/16	ISSUE FOR PERMITS	JK
5	12/27/16	ISSUE FOR PERMITS	JK
6	12/27/16	ISSUE FOR PERMITS	JK
7	12/27/16	ISSUE FOR PERMITS	JK
8	12/27/16	ISSUE FOR PERMITS	JK
9	12/27/16	ISSUE FOR PERMITS	JK
10	12/27/16	ISSUE FOR PERMITS	JK
11	12/27/16	ISSUE FOR PERMITS	JK
12	12/27/16	ISSUE FOR PERMITS	JK

SITE NAME:
WOODBRIDGE N2 CT

SITE ADDRESS:
118 HENTON ROAD
(ACCESS FROM SOUTHWIND DR.)
WOODBRIDGE, CT 06095

SHEET TITLE
ELEVATION AND
ANTENNA PLAN

SHEET NUMBER
A-2



Daniel P. Hagan



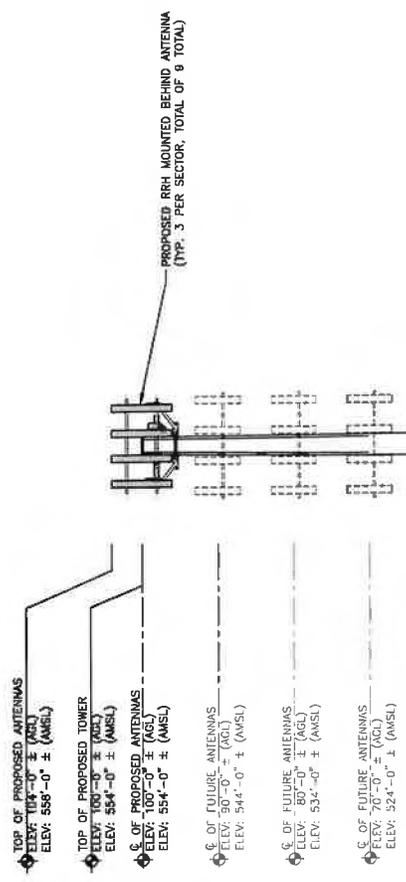
ANTENNA PLAN
SCALE: N.T.S.

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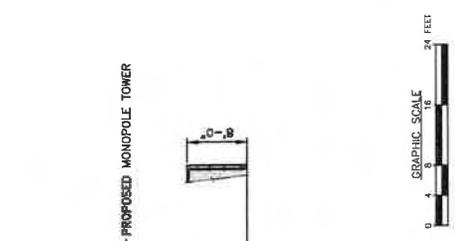
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PROPOSED OUTDOOR EQUIPMENT ON CONCRETE PAD WITH ICE CANOPY (SEE SHEET A-3 FOR EQUIPMENT DETAILS)

PROPOSED CHAIN LINK FENCE

GROUND LEVEL ELEV: 0'-0" ± (AGL) ELEV: 454'-0" ± (AMSL)



WEST ELEVATION
SCALE: 1/16"=1'-0"
11x17

ANTENNA PLAN
SCALE: N.T.S.

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5-13

Elizabeth Crafts
110 Newton Road
Woodbridge, CT

NTXTP

061 DE 1

0006/08/21

RETURN TO SENDER
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UNABLE TO FORWARD

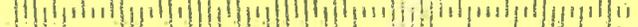
A

UNC

BC: 06103350999

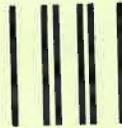
*0344-02724-11-38

~~06103350999~~ RC



PLACE STICKER AT TOP OF ENVELOPE TO THE RIGHT
OF THE RETURN ADDRESS, FOLD AT DOTTED LINE

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• Sender: Please print your name, address, and ZIP+4® in this box•

Kenneth C. Baldwin, Esq.
Robinson & Cole LLP
280 Trumbull Street
Hartford, CT 06103

08989.3575

EXHIBIT 2

Eric Swanson Resume

Department of Physics and Astronomy
University of Pittsburgh
Pittsburgh, PA, 15260
(412) 624-9057
e-mail: swansone@pitt.edu swanson.scientific@gmail.com

Education:

Ph.D.	Physics	University of Toronto	1991
M.Sc.	Physics	University of Toronto	1985
B.Math.	Applied Mathematics	University of Waterloo	1984

Career:

Professor	2000 – present	University of Pittsburgh
Visiting Scholar	2005	Department of Theoretical Physics, Oxford University, UK
Visiting Scientist	1999	TRIUMF, Vancouver, Canada
Consultant	1999–2001	Los Alamos National Laboratory
Assistant Professor	1994–1999	North Carolina State University
Research Associate	1993–1994	Center for Theoretical Physics, MIT
Visiting Scientist	1993	Rutherford Appleton Lab, Didcot, UK
Postdoctoral Fellow	1991–1993	Center for Theoretical Physics, MIT

Highlights:

- named an American Physical Society Fellow in 2010.
- Author of *Applied Computational Physics* (Oxford University Press) and *Science and Society* (Springer).
- Research funded by the Department of Energy since 1996.
- Recipient of five graduate student awards; NSERC Postdoctoral Fellowship.
- Supervised eight postdoctoral researchers, four PhD students, MSc and undergraduate students.
- Author of six op-eds in the Pittsburgh Post Gazette and several popular science articles.

- Assessor for Department of Energy, National Science Foundation, national laboratories, and the national supercomputing centers.
- Founder and past chair of the American Physical Society Topical Group on Hadronic Physics.
- Twenty-five years teaching experience.
- 75 refereed publications; 62 conference proceedings; two books; approximately 50 interviews.
- Approximately 250 international talks and seminars given in 23 countries, 21 states, and 4 provinces.
- Approximately 150 scientific meetings attended in 17 countries.

Woodbridge, CT

Oct 22, 2020

The Health Effects of Radiofrequency Radiation

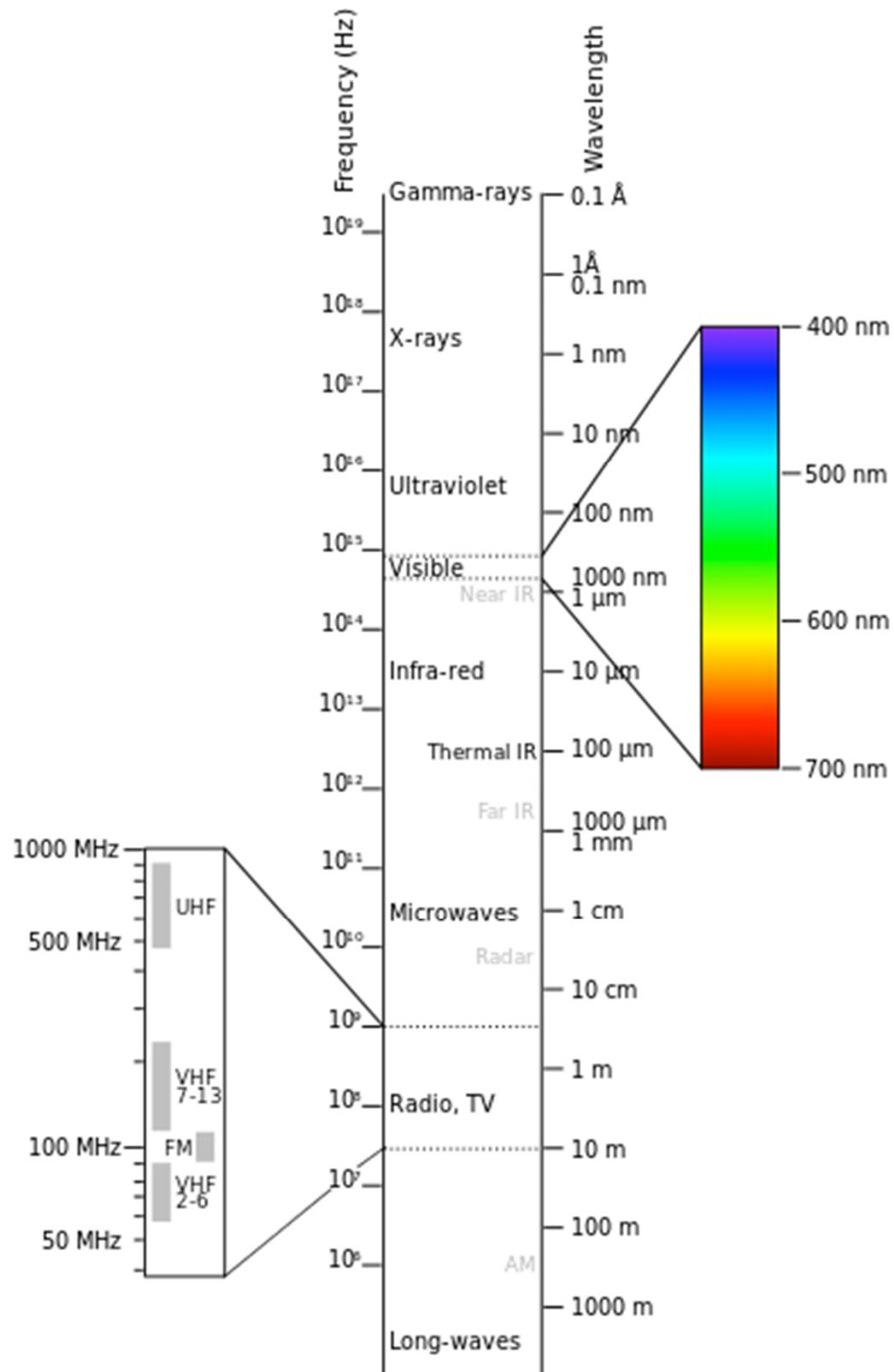
Eric Swanson

professor of physics at the University of Pittsburgh
fellow of the American Physical Society

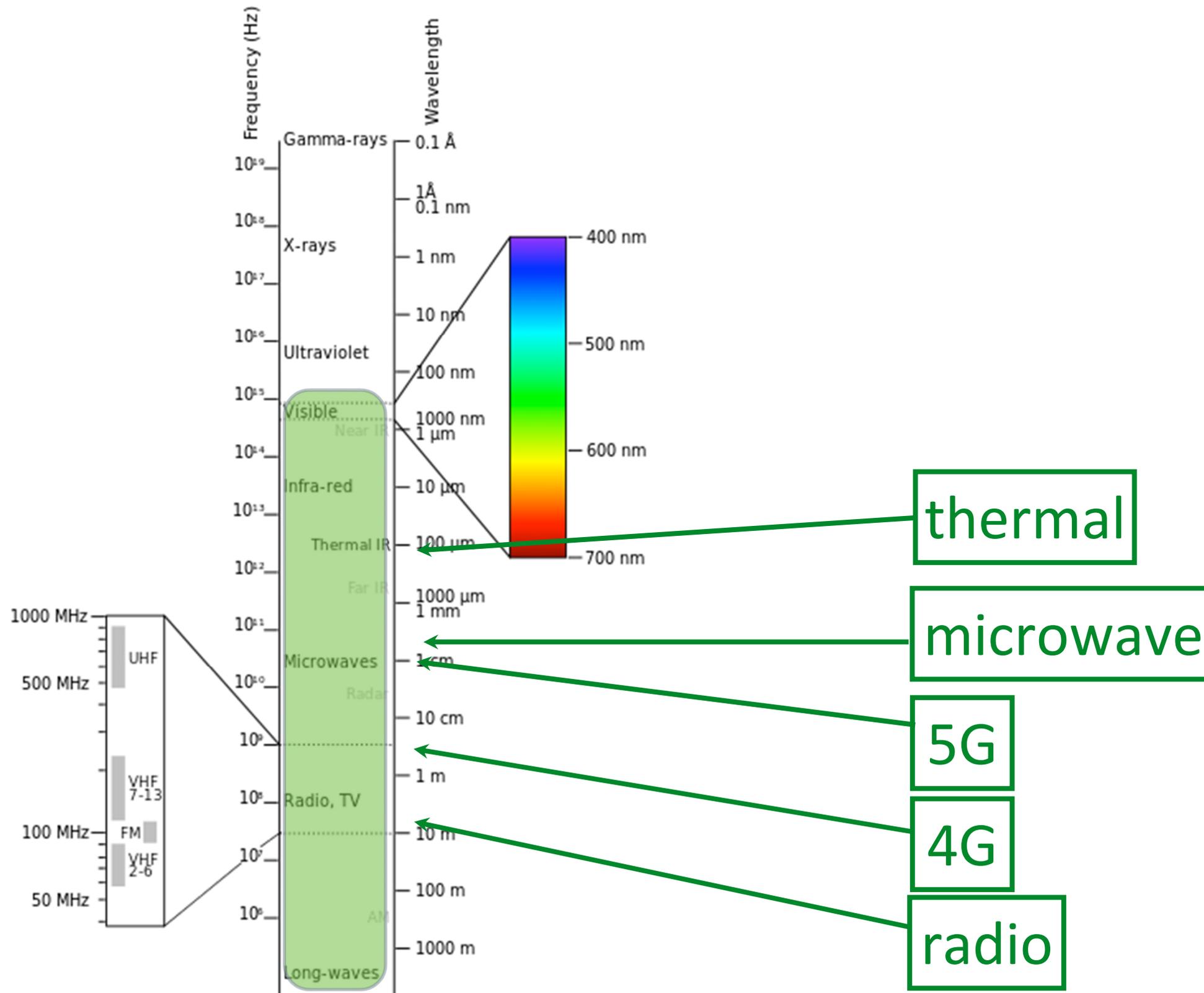


I will be presenting the consensus scientific view on RFR.

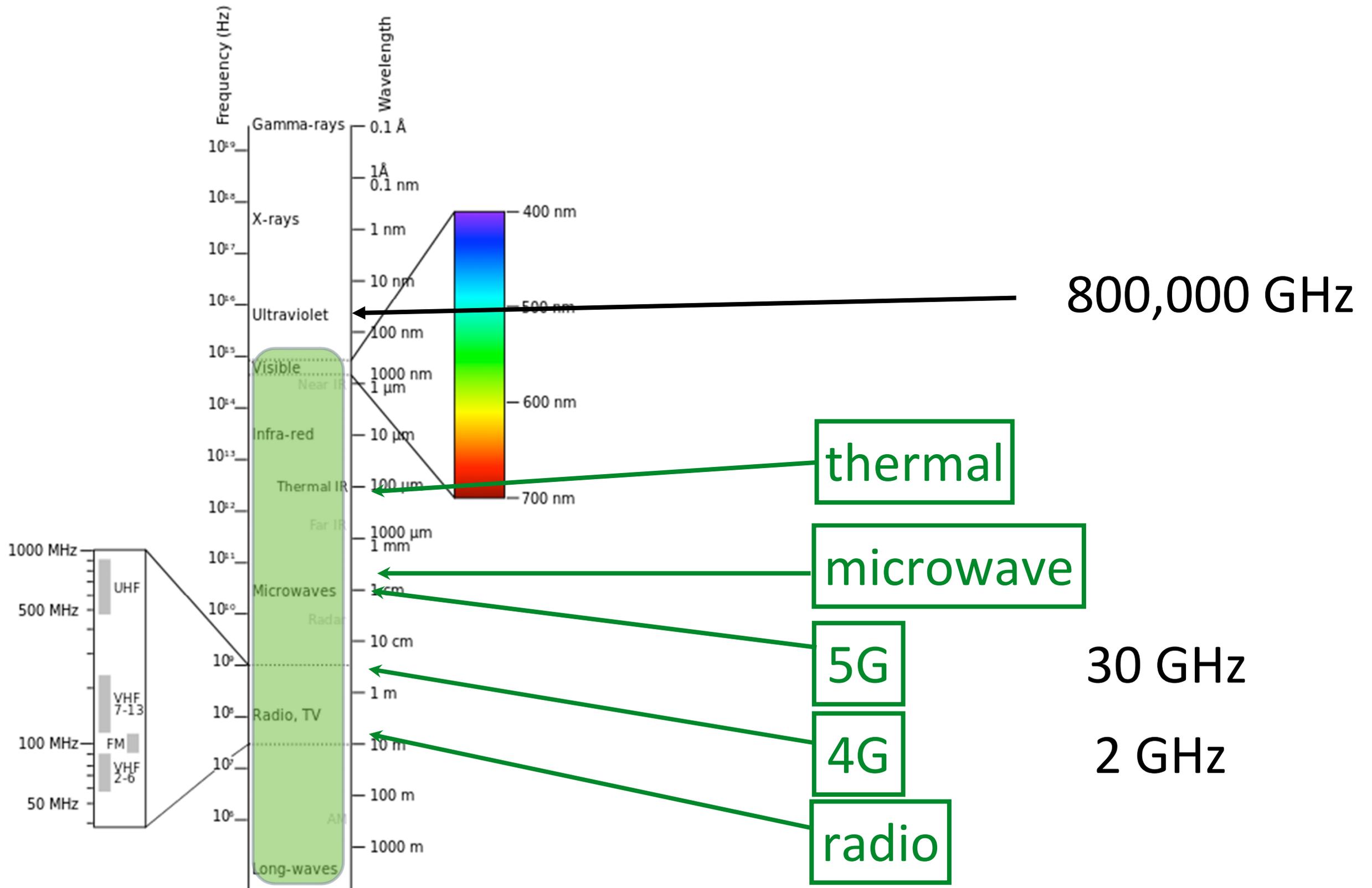
There is no verified evidence that non-ionizing EM radiation has any effect other than heating of tissue.



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The FCC regulates RFR to limit thermal effects.

Limits are very strict, and are set at 1/50 the level of what is detectable in animal experiments.

For comparison, my heating pad produces about 50 times more heating than the FCC permits.





The FCC regularly updates its rules.

The image shows the cover of a report. The background is a blue-tinted photograph of a person's face. Overlaid on this is white text. The main title is "Review of Published Literature between 2008 and 2018 of Relevance to Radiofrequency Radiation and Cancer". Below the title, separated by a thin white line, is the date "February 2020".

**Review of Published Literature between
2008 and 2018 of Relevance to
Radiofrequency Radiation and Cancer**

February 2020

“[For 2008-2018] there have been approximately 125 articles that are most relevant for the study of any effects of RFR on animals. However, none have adequately demonstrated that localized exposure of RFR at levels that would be encountered by cell phone users can lead to adverse effects.”

Typical Exposure due to a 4G tower

As a fraction of MPE

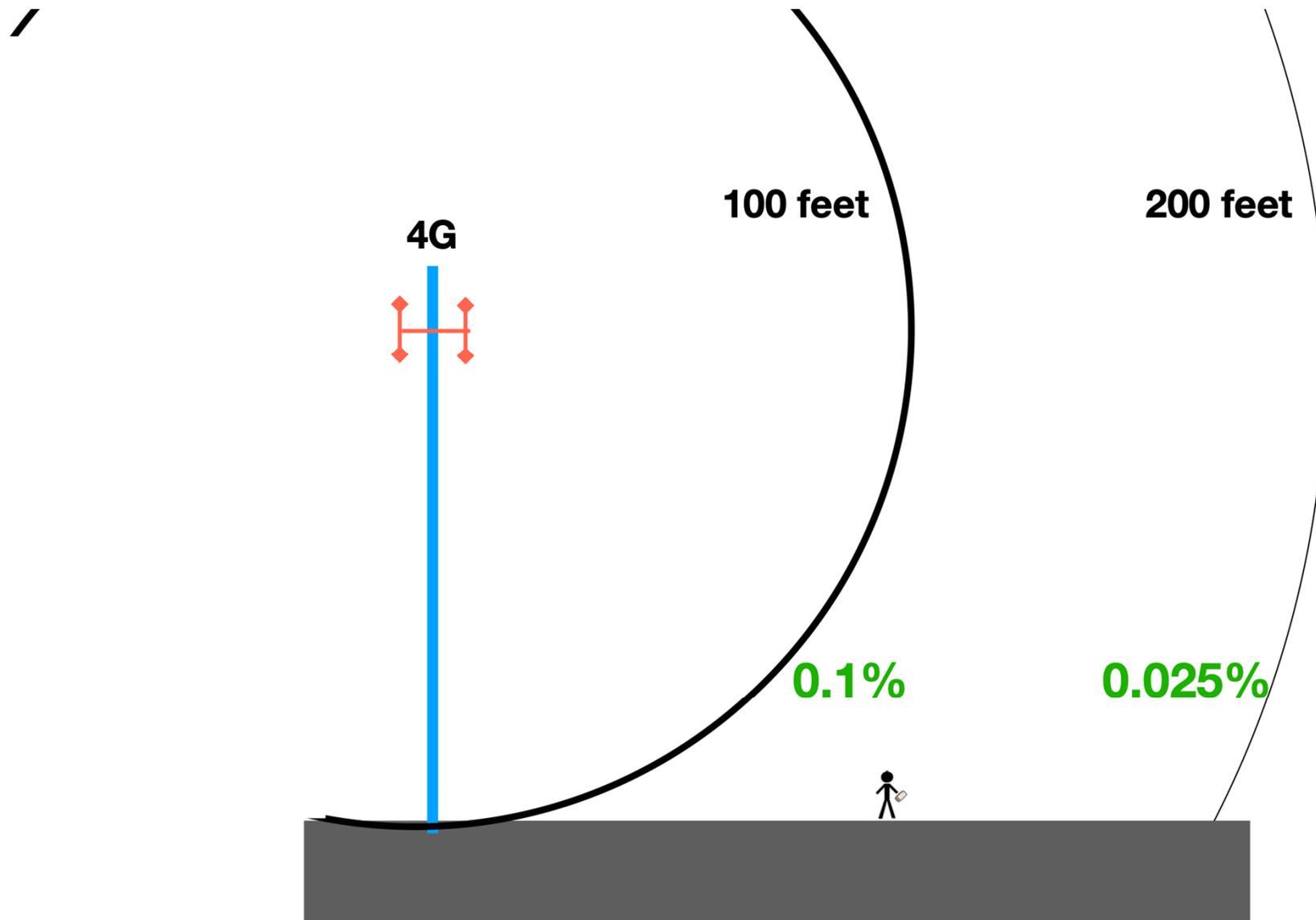
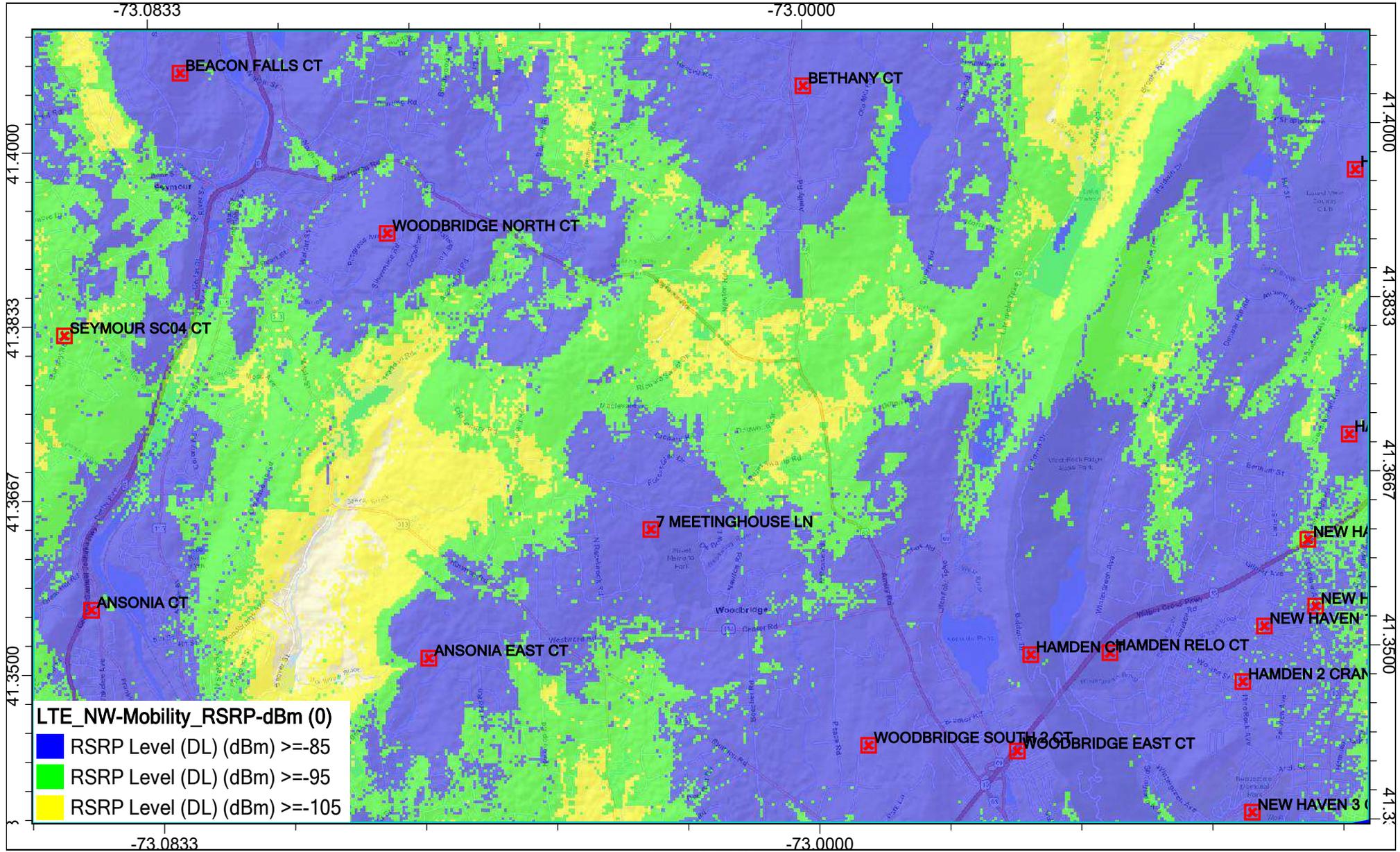
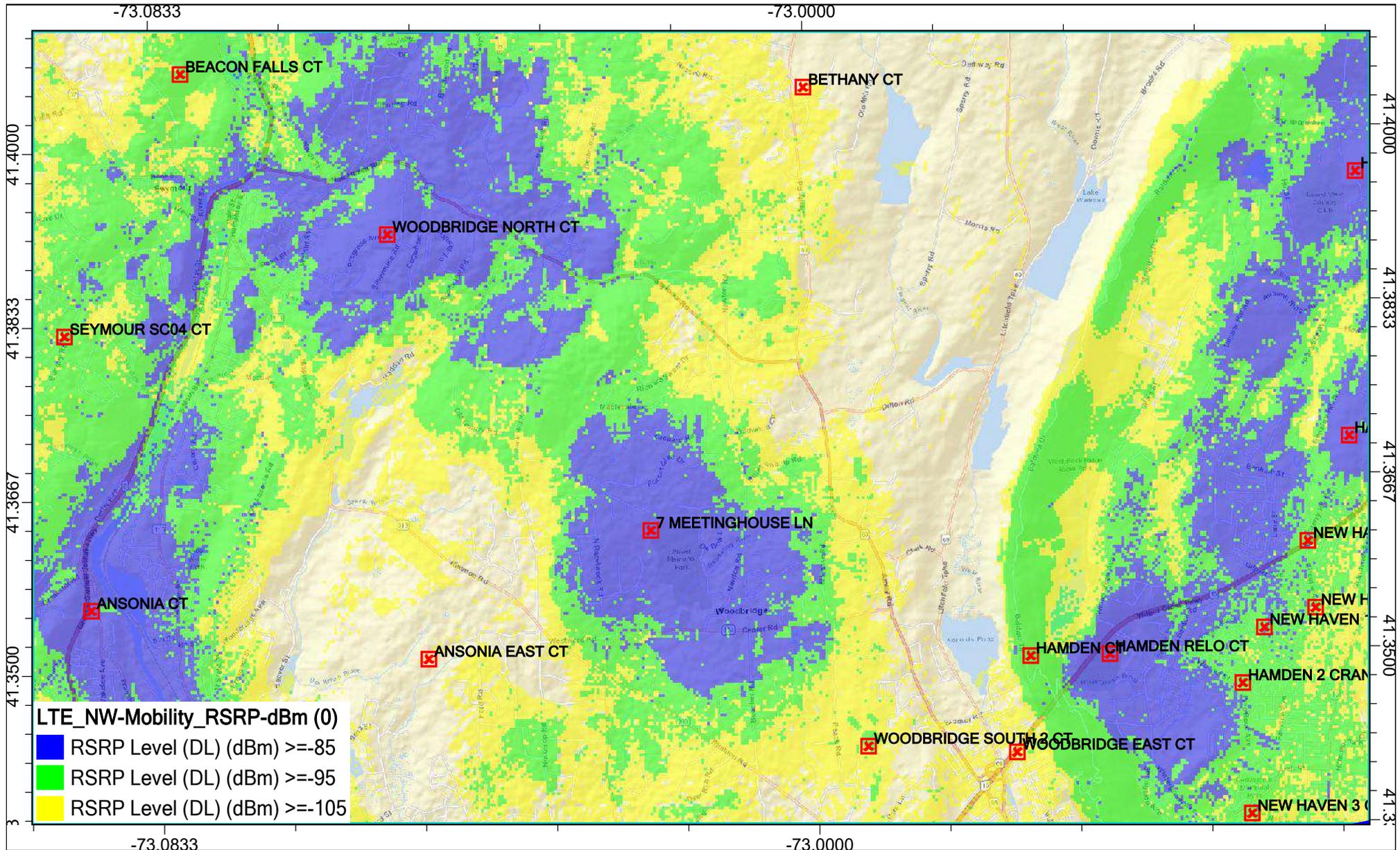


EXHIBIT 3 Meetinghouse Ln - 700MHz



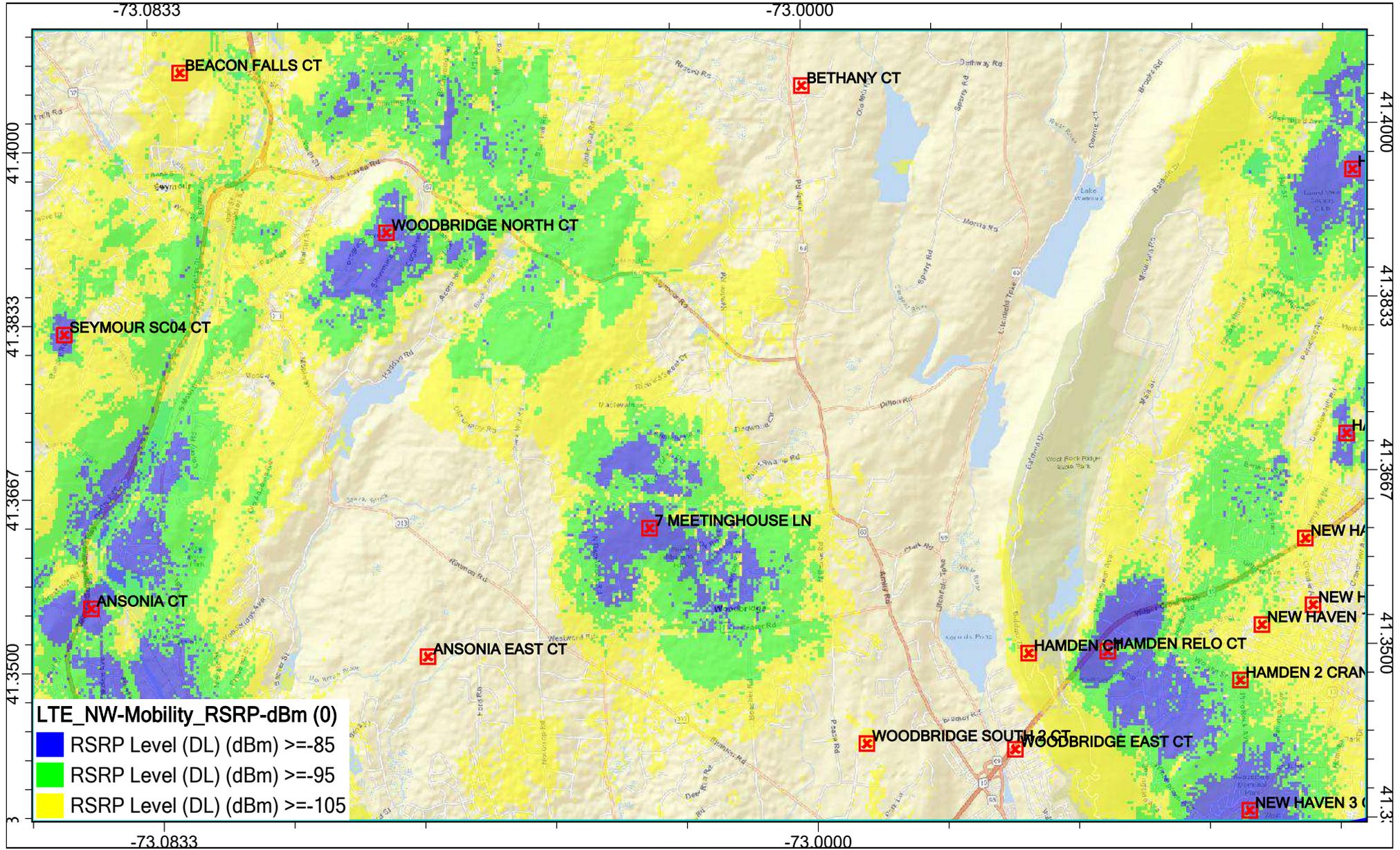
Meetinghouse Ln - 850MHz



Scale: 1:55,515



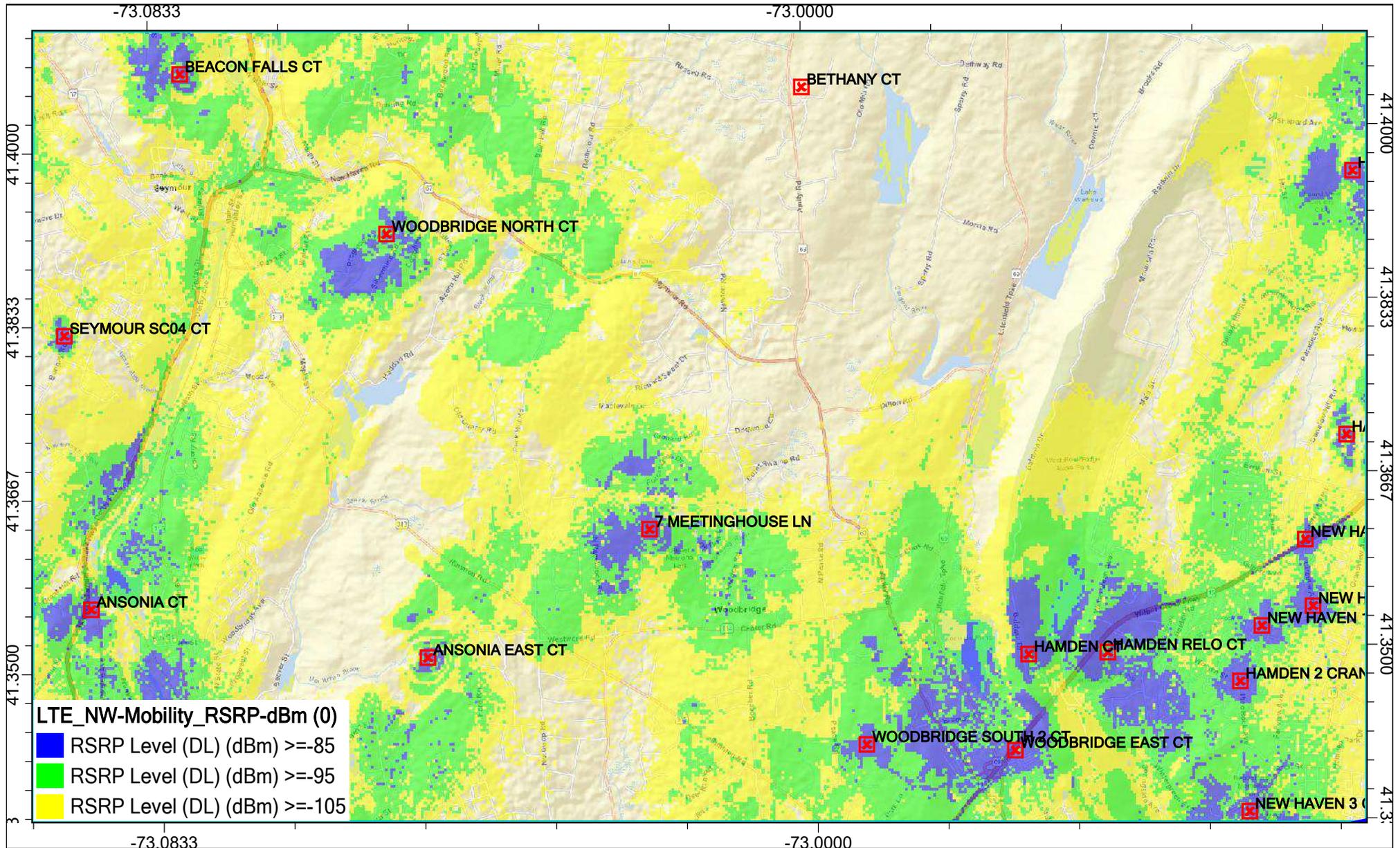
Meetinghouse Ln - 1900MHz



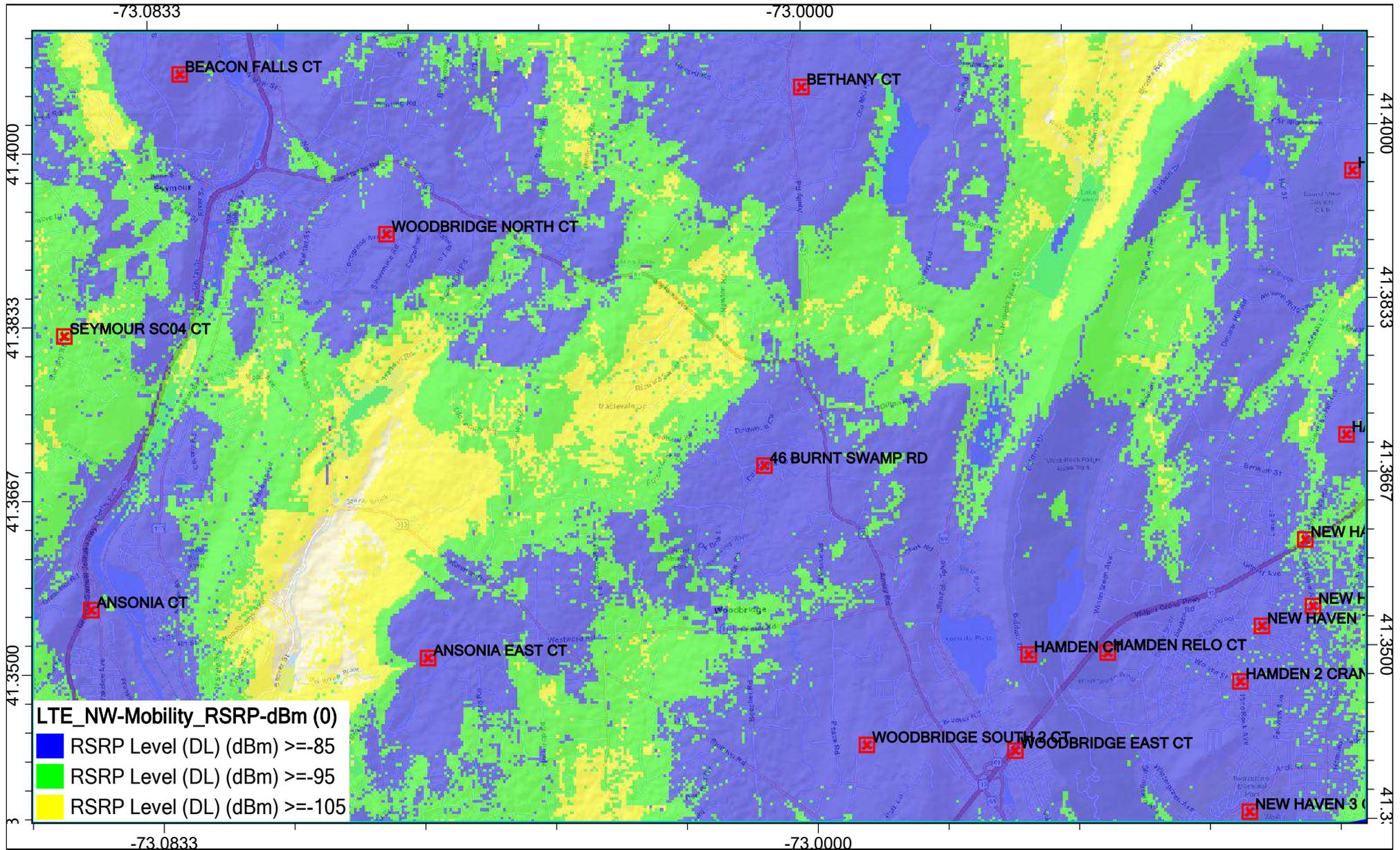
Scale: 1:55,515



Meetinghouse Ln - 2100MHz



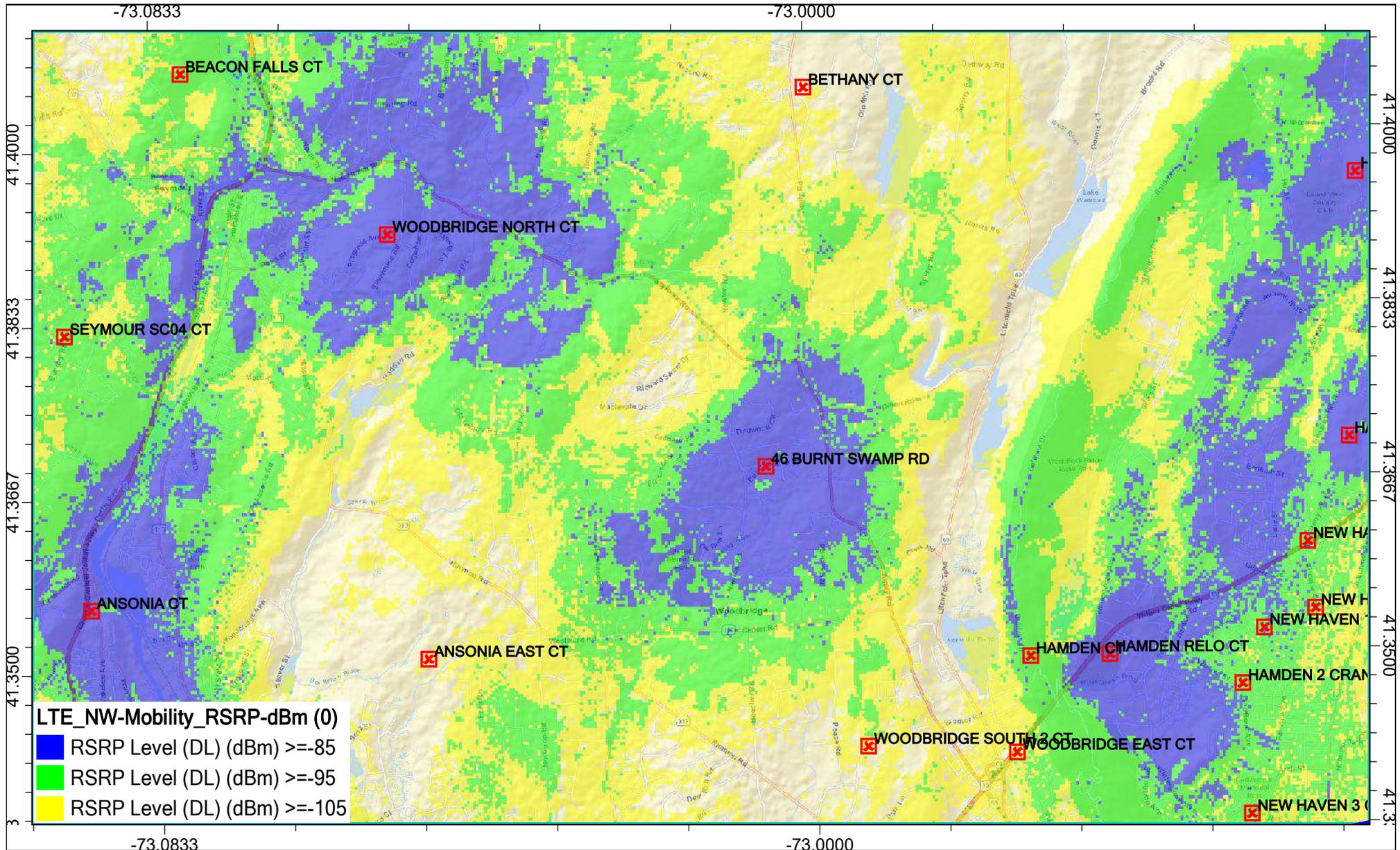
Burnt Swamp Rd - 700MHz



Scale: 1:55,515



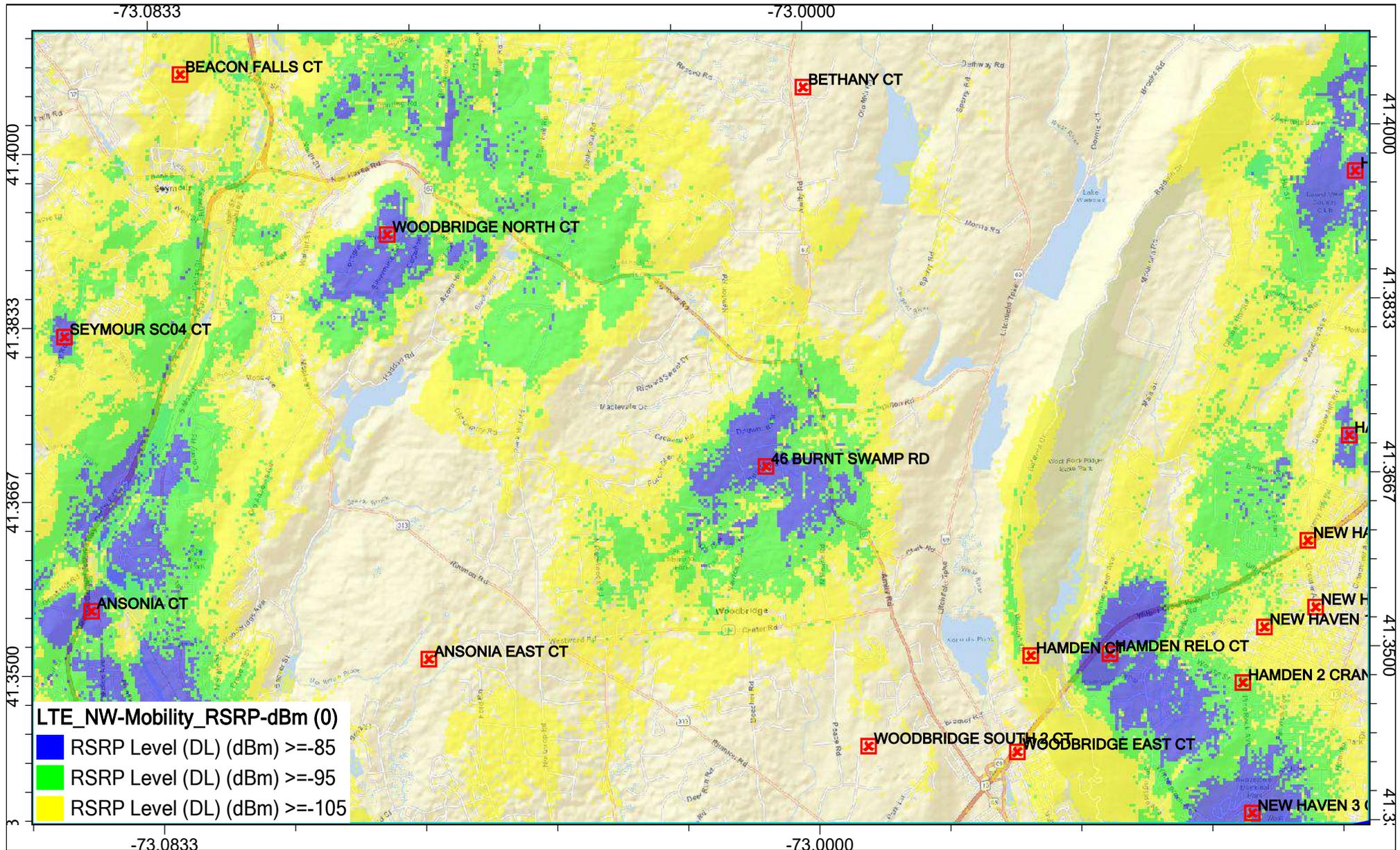
Burnt Swamp Rd - 850MHz



Scale: 1:55,515



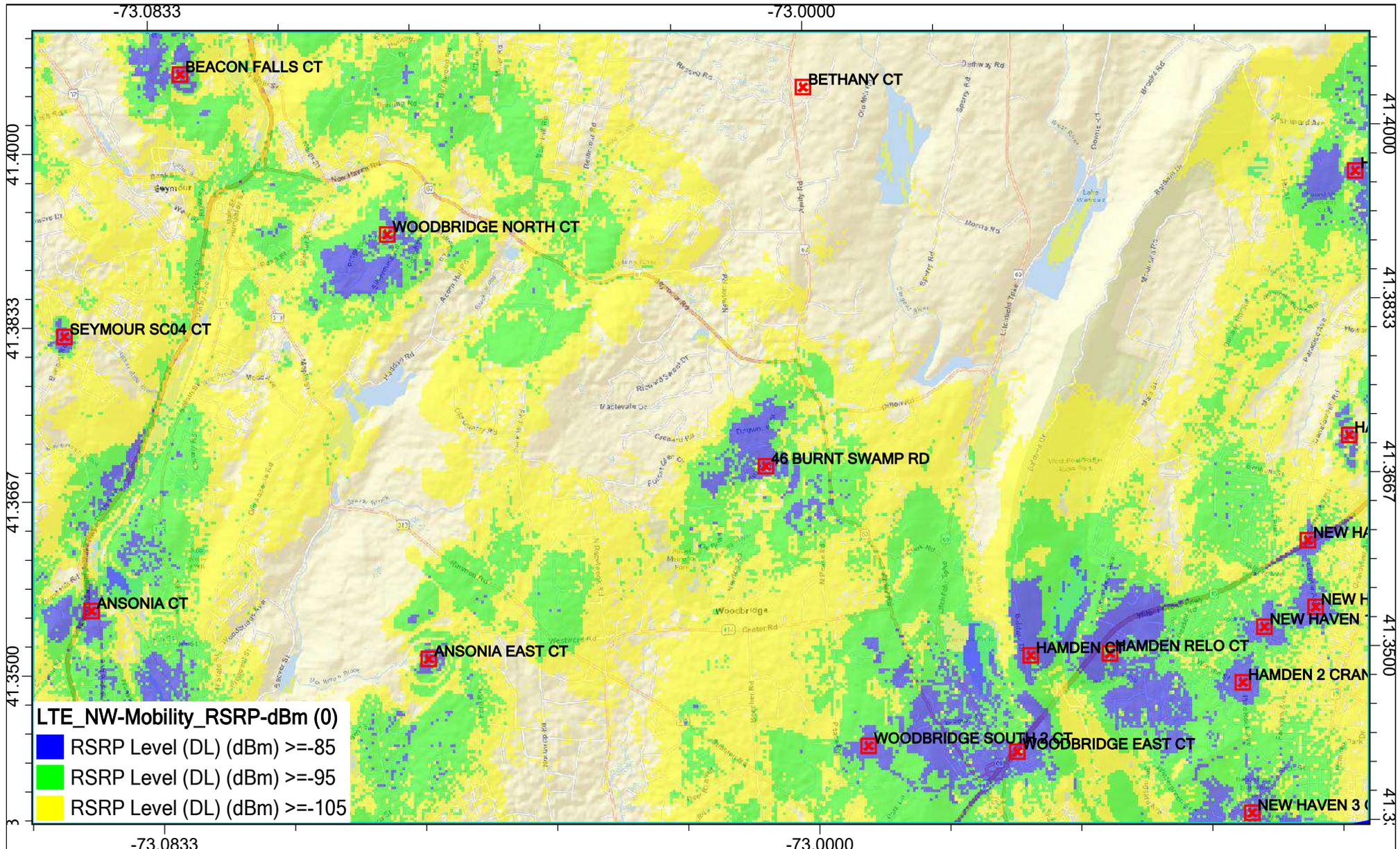
Burnt Swamp Rd - 1900MHz



Scale: 1:55,515



Burnt Swamp Rd - 2100MHz



Scale: 1:55,515



EXHIBIT 4

Drive Summary

Legends

RSRP (dBm)

- -95<=X<-85 (1%)
- -102<=X<-95 (9%)
- -108<=X<-102 (15%)
- -115<=X<-108 (50%)
- -140<=X<-115 (25%)

Show all Hide all

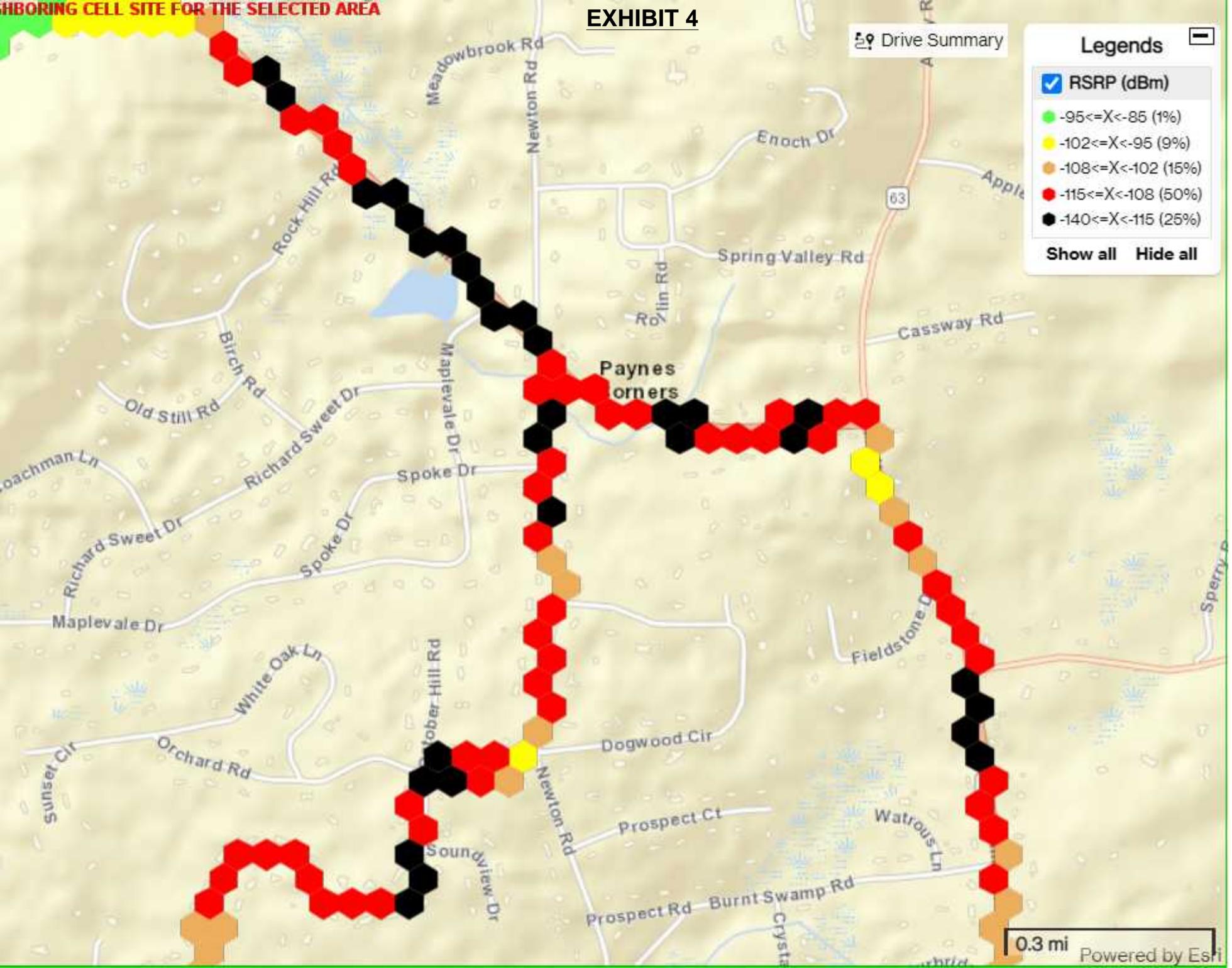


EXHIBIT 5

CSC Docket No. 502 - Interrogatory #34

Photo	Location	Orientation	Distance to Site	Visibility	Height of Tower Visible in Photograph
1	Soundview Drive	Southeast	± 378 Feet	Year Round	100'
2	Soundview Drive	Southeast	± 0.16 Mile	Seasonal	10'-20'
9	Prospect Court	Southwest	± 0.26 Mile	Seasonal	20'-30'
12	Newton Road	Southwest	± 0.14 Mile	Seasonal	20'-40'
14	Burnt Swamp Road	Southwest	± 0.16 Mile	Seasonal	20'-40'
15	Newton Road at Burnt Swamp Road	Southwest	± 0.14 Mile	Year Round	40'-60'
16	Newton Road	West	± 0.13 Mile	Year Round	10'-20'
17	Burnt Swamp Road at Newton Road	Northwest	± 0.15 Mile	Seasonal	1'-10'*
19	Hampton Drive	Northwest	± 0.20 Mile	Seasonal	1'-10'*
20	Newton Road	Northwest	± 0.22 Mile	Seasonal	1'-10'*
22	Penny Lane	Northwest	± 0.21 Mile	Seasonal	1'-10'*
23	Newton Road	Northwest	± 0.27 Mile	Seasonal	1'-10'*

* Tower is visible within the treeline



EXHIBIT 6

REMOTE FIELD REVIEW



**CT SITING COUNCIL DOCKET NO. 502
RESPONSE TO INTERROGATORY 37
WOODBIDGE N2 CT
118 NEWTON ROAD
WOODBIDGE, CT 06525**

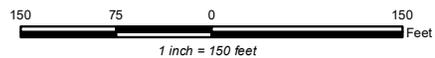
PREPARED FOR:
VERIZON WIRELESS
20 Alexander Drive
Wallingford, CT 06492

PREPARED BY:
ALL-POINTS TECHNOLOGY CORPORATION, P.C.
567 Vauxhall Street Extension – Suite 311
Waterford, CT 06385



PHOTO LOG

- Photo Locations
- Photo Markers
- Subject Property
- Approximate Parcel Boundary (CTDEEP)
- Lease Area
- Access and Utility Easement
- Existing Utility Pole (By Others)
- Underground Power and Telco Service
- Fenced Compound
- Gravel Access Drive
- Equipment



Proposed Wireless Telecommunications Facility
 Woodbridge N2 CT
 118 Newton Road, Woodbridge, CT





PROPOSED ACCESS DRIVE

PHOTO

DESCRIPTION

1

SOUNDVIEW DRIVE LOOKING SOUTH TOWARDS PROPOSED ACCESS DRIVE



NORTH



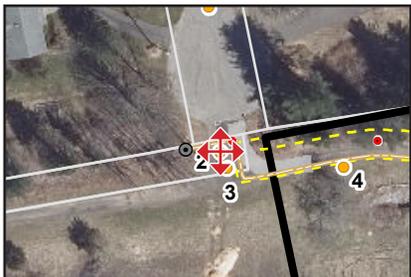
EAST



SOUTH



WEST



PHOTO

2

DESCRIPTION

VIEW FROM START OF PROPOSED ACCESS DRIVE - FOUR CARDINAL POINTS

PHOTOGRAPHED ON 6/23/2021



PROPOSED ACCESS DRIVE

PHOTO

3

DESCRIPTION

PROPOSED ACCESS DRIVE LOOKING EAST



PHOTO

DESCRIPTION

3A

PROPOSED ACCESS DRIVE LOOKING WEST



PROPOSED ACCESS DRIVE

PHOTO

DESCRIPTION

4

PROPOSED ACCESS DRIVE LOOKING EAST



NORTH



EAST



PROPOSED ACCESS DRIVE

SOUTH



WEST



PHOTO

5

DESCRIPTION

VIEW FROM PROPOSED ACCESS DRIVE - FOUR CARDINAL POINTS

PHOTOGRAPHED ON 6/23/2021



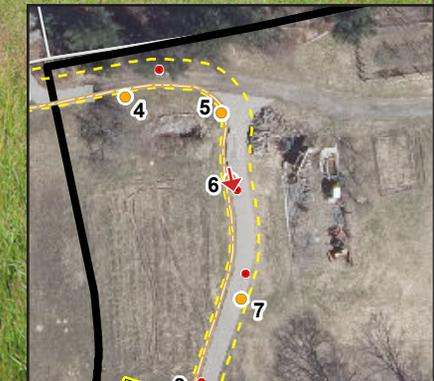
PROPOSED ACCESS DRIVE

PHOTO

6

DESCRIPTION

PROPOSED ACCESS DRIVE LOOKING SOUTH



PHOTOGRAPHED ON 6/23/2021



PROPOSED ACCESS DRIVE

PHOTO

DESCRIPTION

7

PROPOSED ACCESS DRIVE LOOKING SOUTHWEST



PHOTO

DESCRIPTION

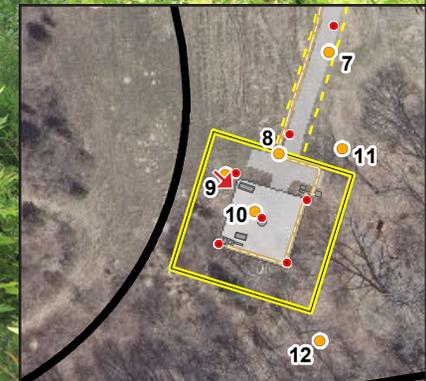
8

PROPOSED ACCESS DRIVE AT START OF LEASE AREA LOOKING SOUTHWEST



PROPOSED TOWER

PROPOSED SOUTHEAST FENCE CORNER



PHOTO

DESCRIPTION

9

VIEW FROM PROPOSED NORTHWEST FENCE CORNER LOOKING SOUTHEAST



PHOTO

10

DESCRIPTION

VIEW FROM PROPOSED TOWER - FOUR CARDINAL POINTS

PHOTOGRAPHED ON 6/03/2021



PROPOSED NORTHEAST FENCE CORNER

PHOTO

DESCRIPTION

11

LOOKING SOUTHWEST

PHOTOGRAPHED ON 6/23/2021



PROPOSED SOUTHEAST FENCE CORNER

PHOTO

12

DESCRIPTION

LOOKING NORTHWEST



PHOTO

12A

DESCRIPTION

LOOKING SOUTH TOWARDS ADJACENT PROPERTIES